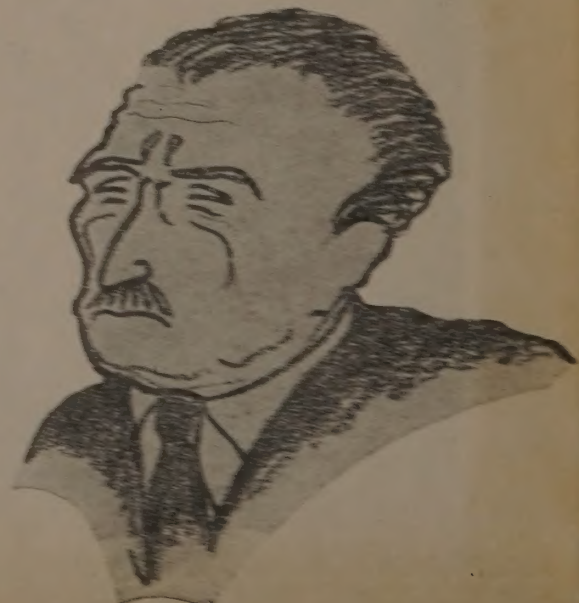
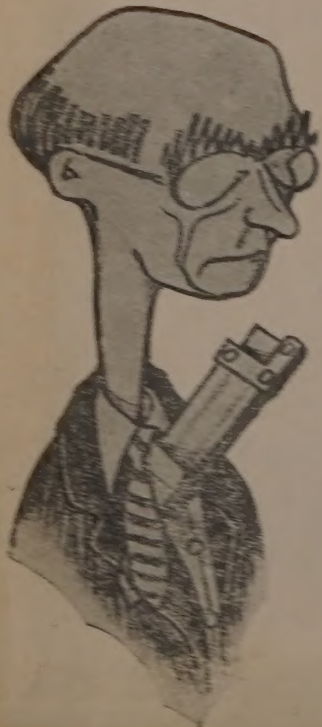
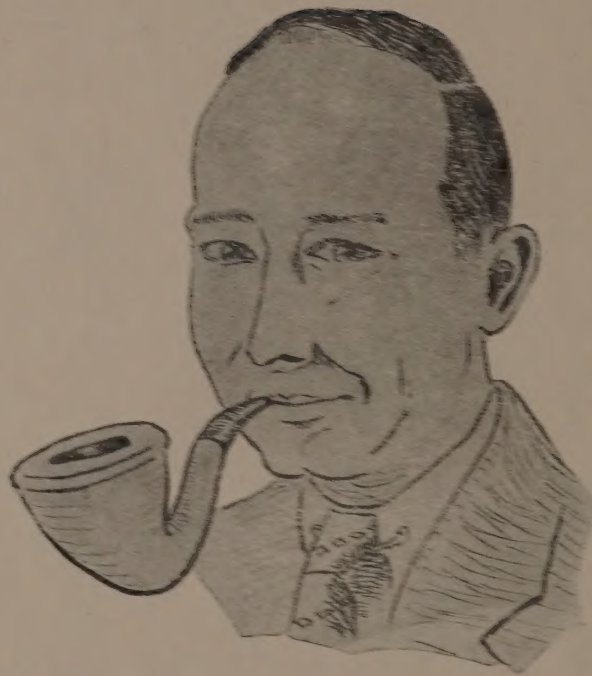
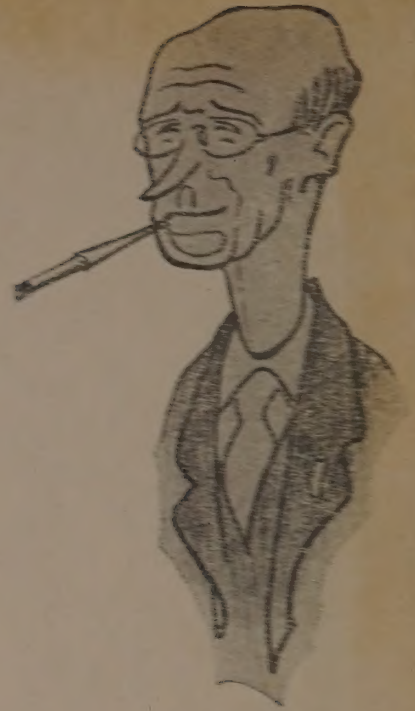
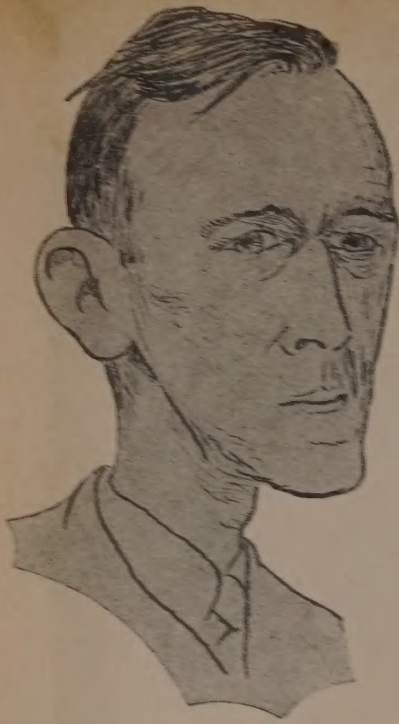


Keweenaw

1947

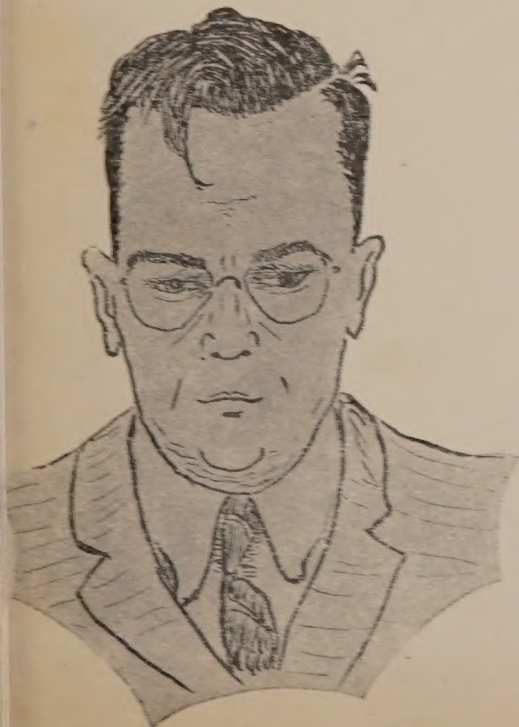
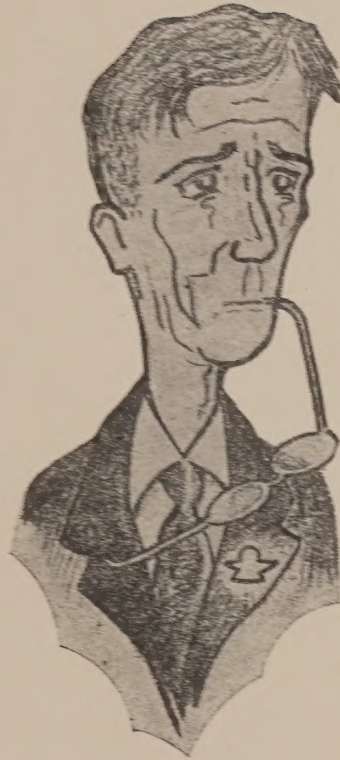
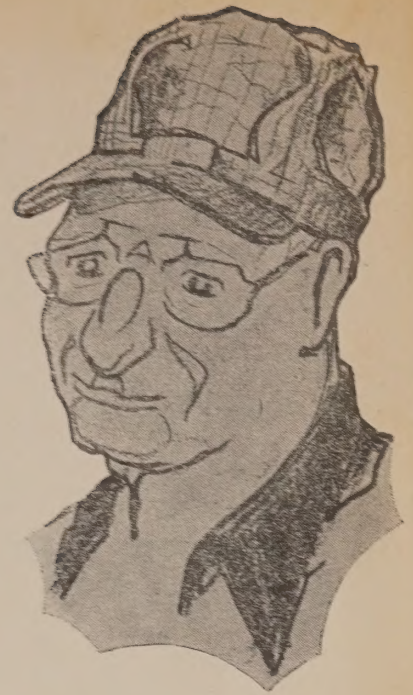
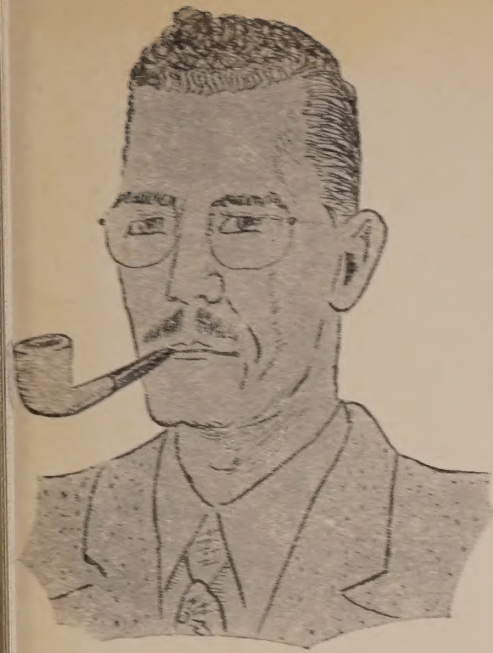


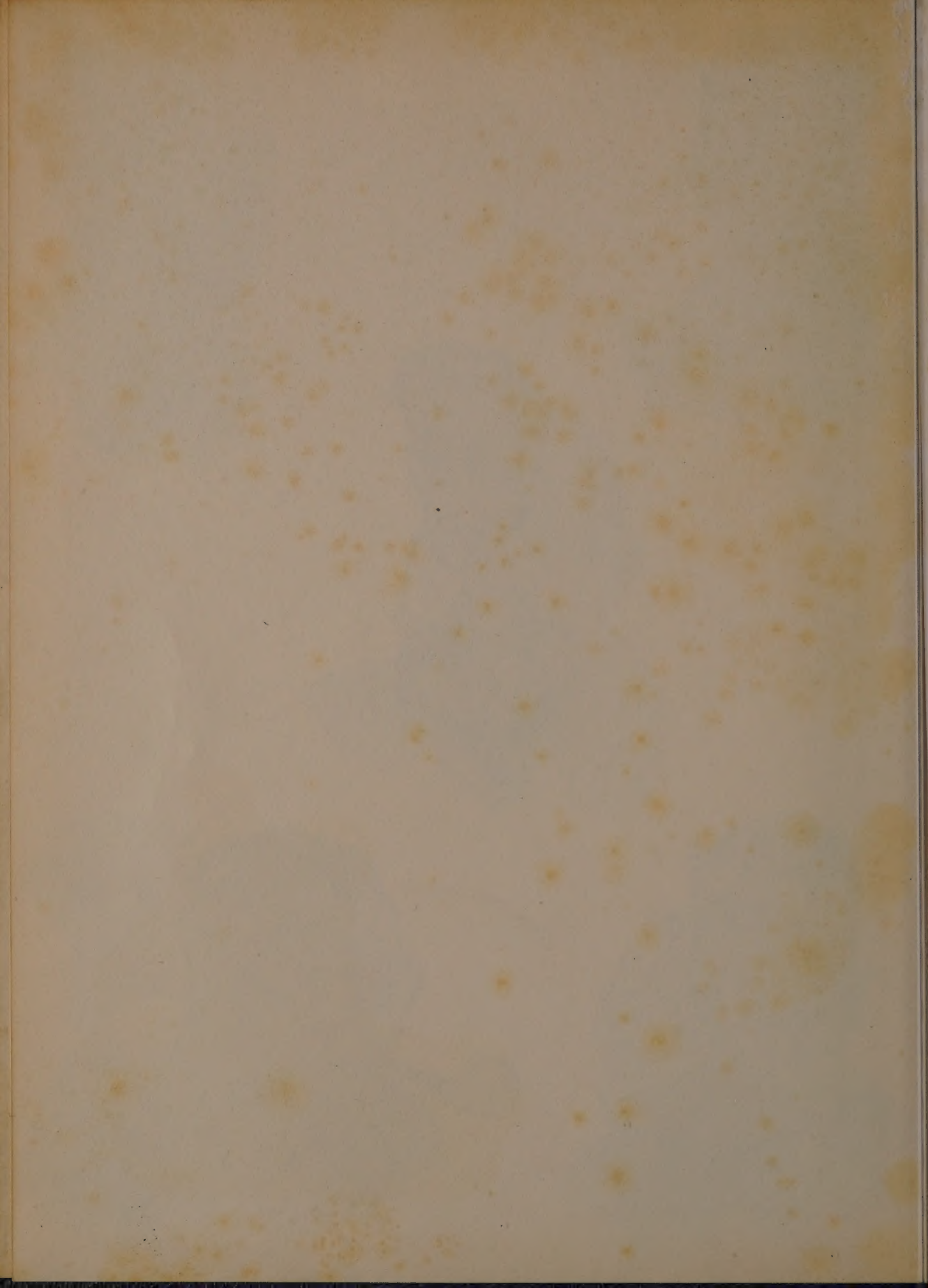




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● **WINTER CARNIVAL**

● **SPORTS**

● **ORGANIZATIONS**

● **FRATERNITIES**

● **CLASSES**

● **FACULTY**

THE 1947 KEWEENAWAN

Published by
**THE STUDENT ORGANIZATION
OF
MICHIGAN COLLEGE OF MINING
AND TECHNOLOGY
Houghton, Michigan**

Ke

weendawan



The carnival will be in
full swing from Wednesday
until Sunday, with never
a dull moment. Talk to
your boss like a Dutch
uncle, honey - point out to him
that your education can never
be complete until you've been
to a Tech Winter Carnival.
Let me know as soon
as possible so I can get things
lined up. It looks like there
ought to be a mighty
crowded place!

Love,
Art

Sweet - When I see you I
will show you just how
cheered I was to get
your letter asking me
if I got out my pencil
today and finished my skin
so - now see how much
more I enjoyed it. It's a
wonder! I'll be in the
country tonight together



Blue Key Fraternity

PRESENT THE

1947 Michigan Tech Winter Carnival

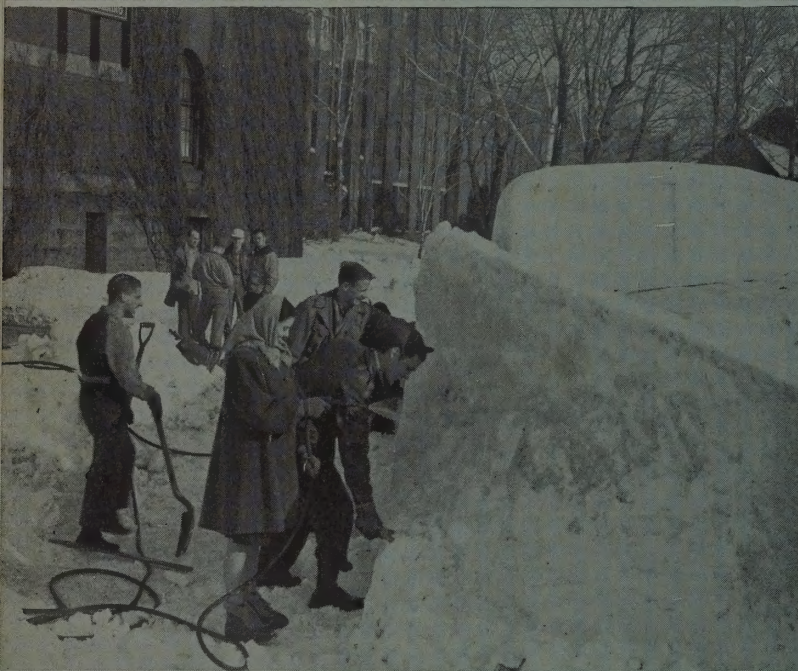
February 12 to 16



MICHIGAN COLLEGE OF MINING AND TECHNOLOGY
HOUGHTON, MICHIGAN

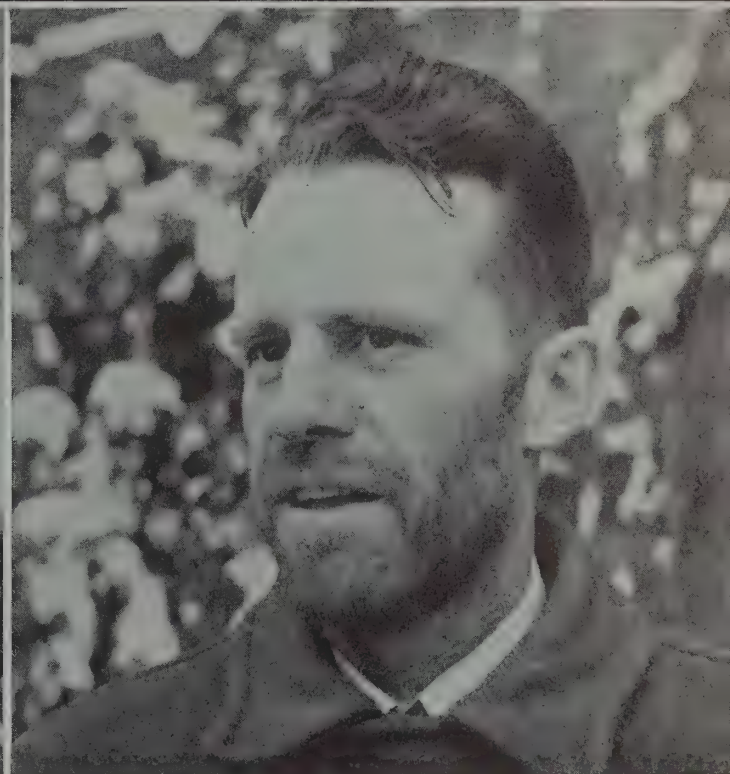
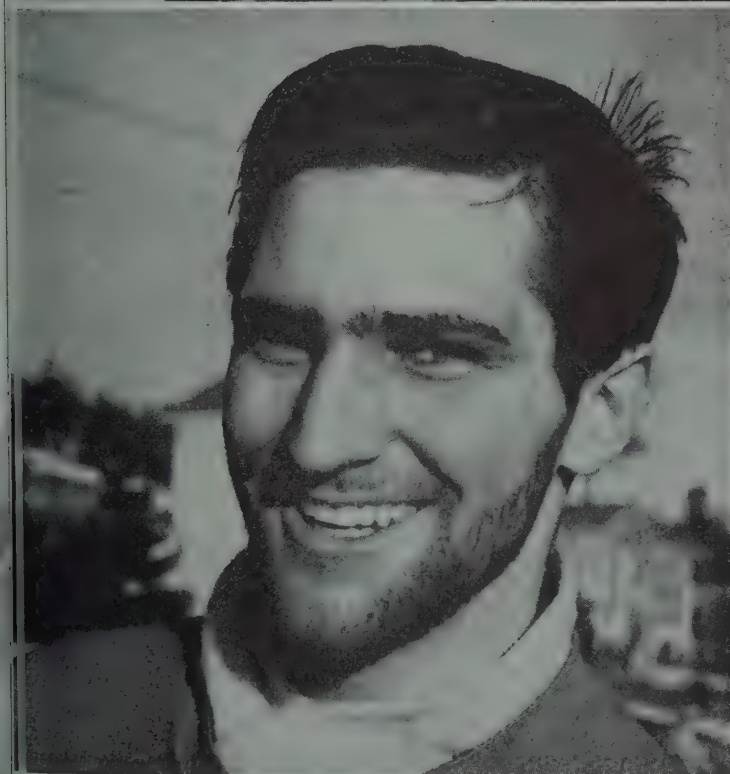
Our story actually starts in Chicago, where Nancy, loaded down with luggage, boarded the train bound for Houghton and an exciting Winter Carnival. Art is a typical Tech student, and Nancy is his carnival date—a very lovely one at that. The fact that he was glad to see her is quite apparent.





Since Wednesday was just another school day in the life of a Tech man, Art had the usual afternoon lab. After a quick lunch at the fraternity house, Nancy saw Art off to the old grind and then decided to make a short campus inspection trip. She gave the Civils a hand with their snow statue and found elaborate preparations going on for the Ice Revue at Dee Stadium.





Then came time for the judging of the beards. The bushy-faced students and members of the faculty all turned out, each one confident that he just couldn't lose. Every shape, size, and color of beard was represented.



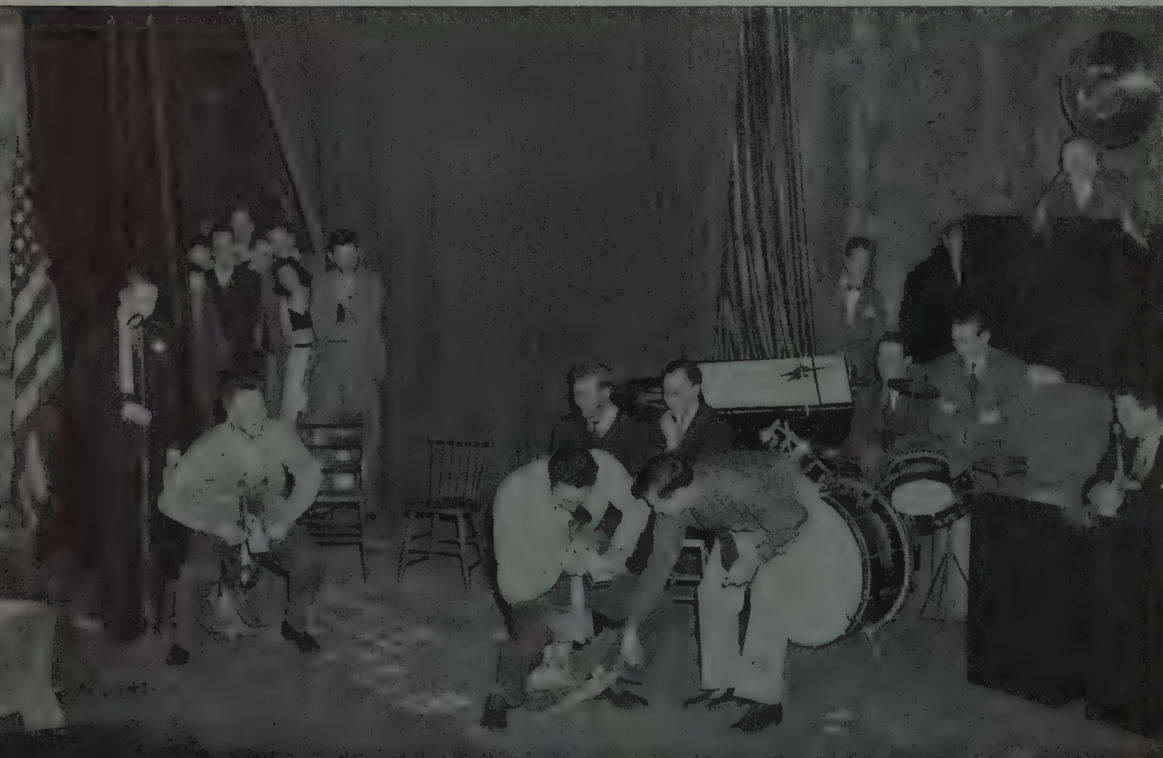
Sporting an exceptionally heavy set of chin whiskers, Jack Botsford walked off easily with first prize. But Nancy had some doubts about the decision and wanted a closer look, which Jack was more than willing to provide. Maybe there's something to this rugged, he-man stuff after all.





First prize for the faculty went to A. P. Young, who took an intense interest in the contest as you can see by the way he inspects the progress of a competitor. And that gleam in his eye isn't only due to the fact that he won the blue ribbon. Smart girl—she knows how to get Art through that course!

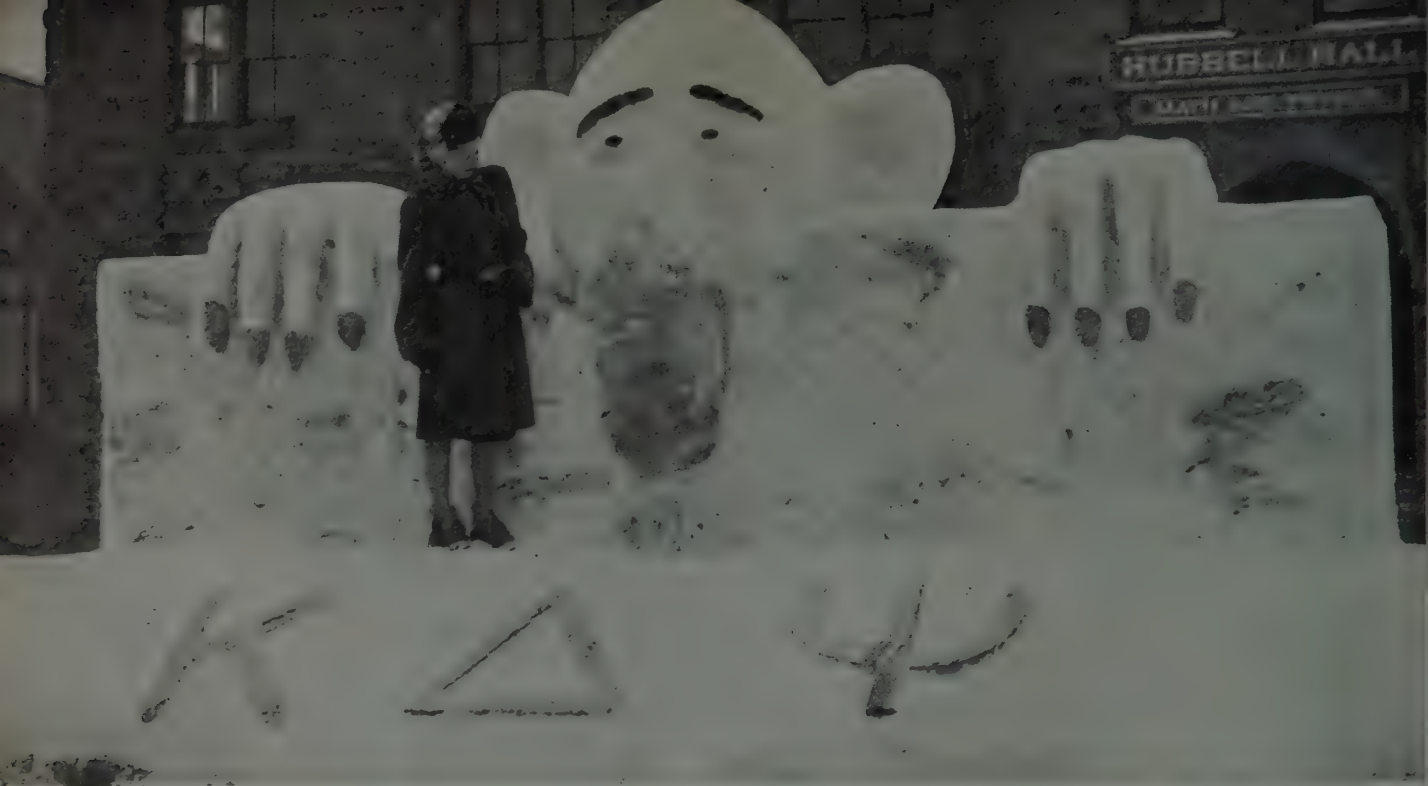






Wednesday night brought the first big event of the Carnival—the Variety Show. Nearly a dozen organizations presented skits, quartets, and every imaginable type of entertainment. Committee chairman George McKereghan introduced the ten charming queen candidates, one of whom was destined to reign over the Carnival from Thursday until Sunday.





Snow statues were judged on Thursday, and the Foresters captured first prize with their excellent reproduction of a family of Keweenaw bears. Nancy seemed fascinated by "Smoe," the Kappa Delta's handsome entry.









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In the evening, crowds gathered at Dee Stadium to see the colorful, exciting Ice Revue. First on the program was the introduction of the lovely queen-elect, Miss Barbara Green. With a spotlight shining on her glittering sleigh, Queen Barbara rode slowly around the entire arena and received a tremendous welcome from

her subjects. Arriving at her snow white throne which was on a platform banked with fresh evergreens, Barbara was assisted to her place of honor by Bill Whitman, master of ceremonies, and Jim Vorhes, president of the Student Organization. Her jeweled crown was brought forth, and the coronation began.



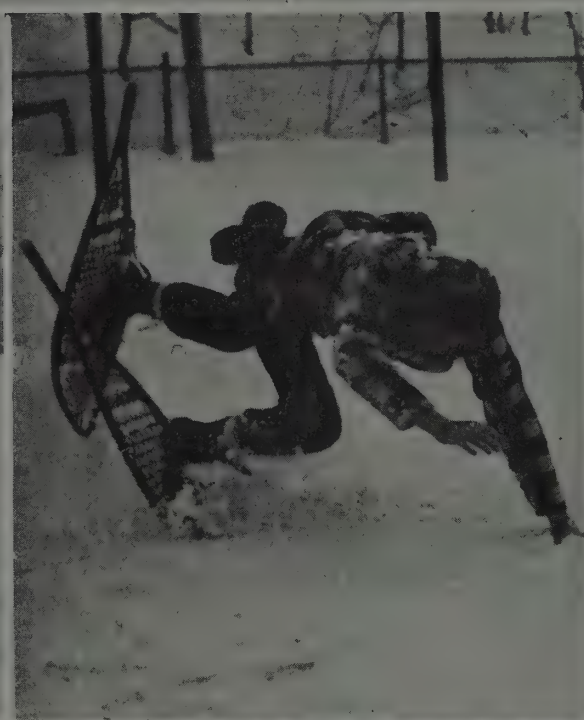
No queen ever looked more radiant than Barbara, when she received the crown from Jim and was officially proclaimed Queen of the 1947 Winter Carnival. Then, at her command, the show was on.



Miss Helen Gitzen (*top*), and Mr. Robert Johnso and Miss Aileen Brooks (*left*), gave exhibitions of darin skill and precision. The two little ladies (*above*), ha just reached their third birthday.

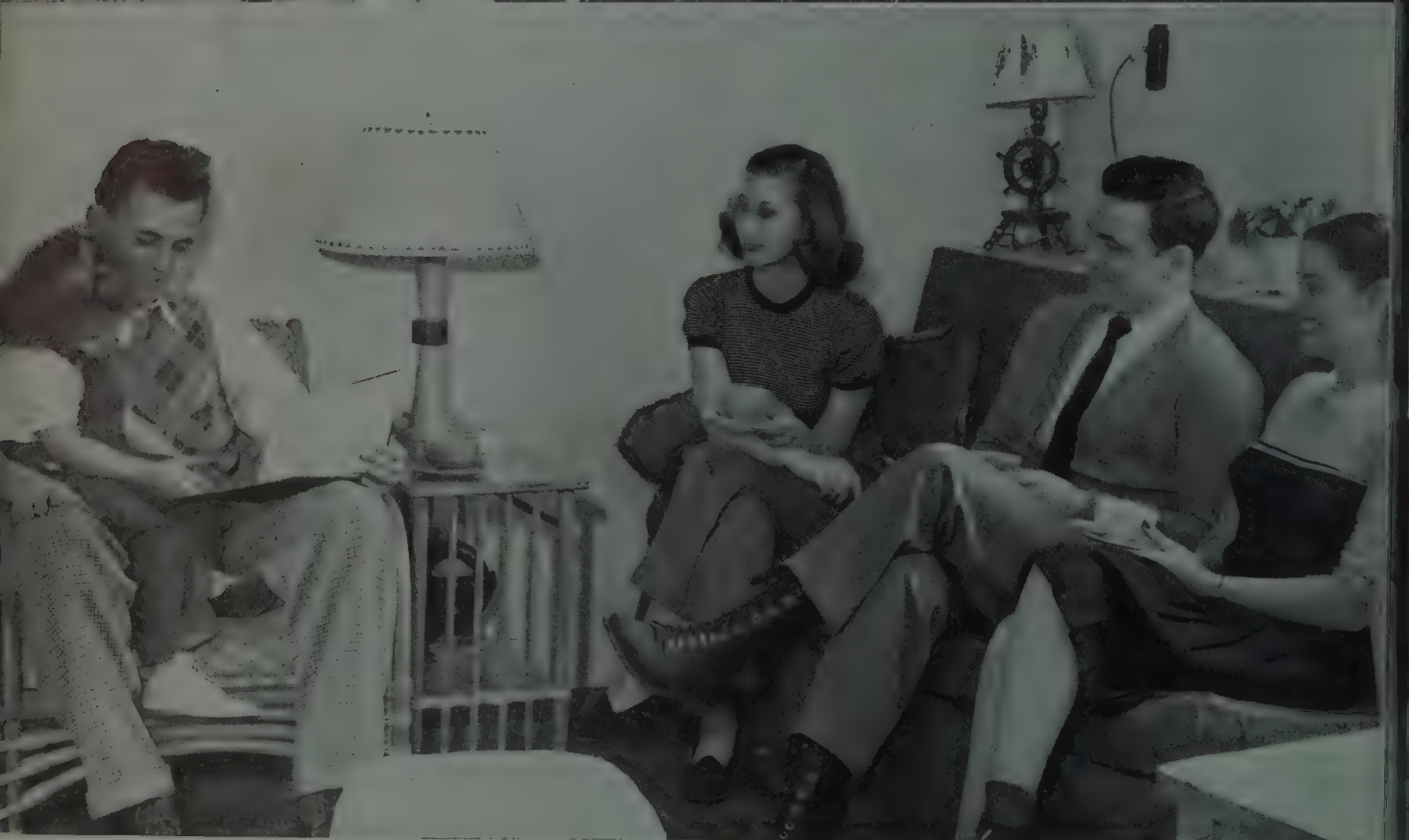


After the revue, Jim introduced Nancy and Art to Queen Barbara, and in the dressing room they met Director Bill Provost and the star of the show, Miss Margie Davies.



Speed skating and snowshoe races were held on Friday morning, and in the afternoon the Kappa Delts played the Theta Taus in a softball game on snowshoes. There are still two opinions as to who won the game.





Dropping in on Dr. and Mrs. Dillman, Nancy and Art enjoyed seeing snapshots of previous Tech Winter Carnivals, and coffee with the Dibble family at Woodmar was another pleasant social call.



Friday nights hockey game with Colorado College was thrill packed entertainment from the first whistle. Nancy, Art, and Abbie ganged up on the Colorado captain before the game, and he didn't look at all happy about it. And never let it be said that the All-American hot dog isn't just as important between hockey periods as it is at a football or baseball game.

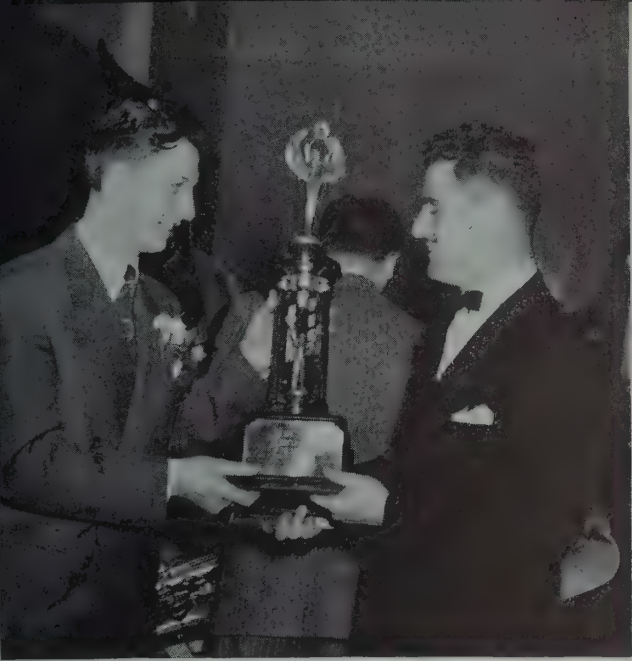




(Left)—The annual parade went off in grand style, except that the Sig's cow refused to move on icy streets. (Above)—Nancy helped out at a Saturday afternoon cocktail party and then, with coeds Burnett Bertie and Marian Smith, prepared for the gala Snowball.



Carnival Chairman, Dick Van De Weghe presented the Winter Carnival Trophy to Fred Donegan of Sigma Rho Fraternity.



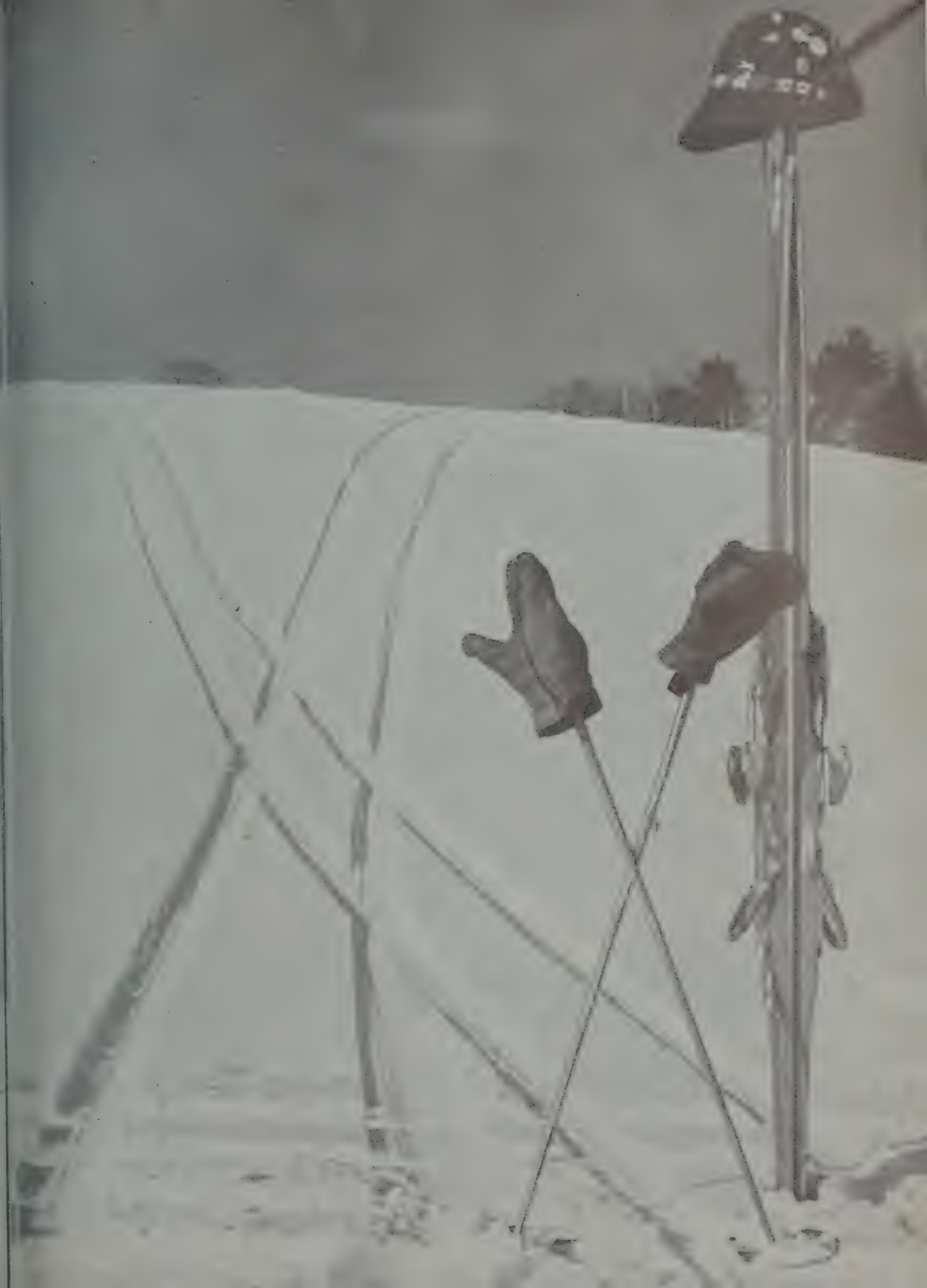


(Above) — The Sunday morning train was jammed with ski enthusiasts for the Central Ski Association meet held on Ripley Hill. (Left)—Four of the experts cast a critical eye over the fast difficult run.

And so, with the ski meet as the last official event of the Carnival, Tech students said goodbye to their dates, located forgotten books and slide rules, and looked forward with reluctance to Monday morning classes. Four wonderful days that passed all too quickly—but we'll do it again, bigger and better, next February!







When we think of

Sports

we think of

Abbie Maki

One of the principal reasons for Tech's success in the 1946-1947 hockey season was the brilliant play of Captain Abbie Maki. He never failed to thrill the crowd by repeatedly breaking up the plans of our opponents, taking the puck himself, and then setting up our forward line for a scoring play. Captain of the team for the last two seasons, Abbie has again been unanimously elected by his team mates to lead Tech to new honors on the ice next year.





Center: Ed Maki, coach. Front row, left to right: J. Tormala, B. Petaja, E. Mars, T. Olson, Abbie Maki, captain; R. Noblet, G. Wanhainen, A. Maki, H. Gregorich, E. Lohela. Second row, left to right: J. Silverwood, Mgr.; J. Ruhl, F. Kellow, M. Erickson, J. Botsford, E. Wesala, P. Waite, J. Noblet, F. Donegan, R. Kestner, A. Dorffi, J. Cortapassi, R. Wallace, J. Uren, Asst. Mgr.

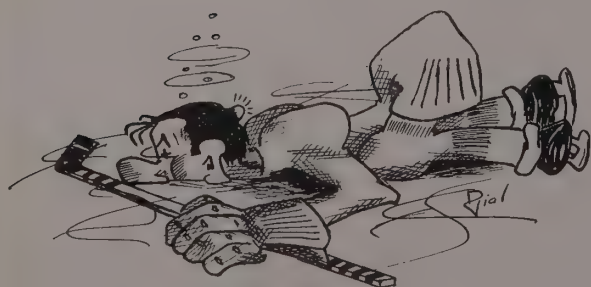
Hockey Team

The year 1946-47 witnessed the post-war debut of the first full-strength Huskie sextet competing against major opposition.

Led by Coach Ed Maki in his fourth season as Huskie mentor and Captain Abbie Maki, serving his second successive year in this capacity, the Huskies took to the ice on the 17th of December determined to eliminate obstacles which jeopardized the possibilities of a polished sextet.

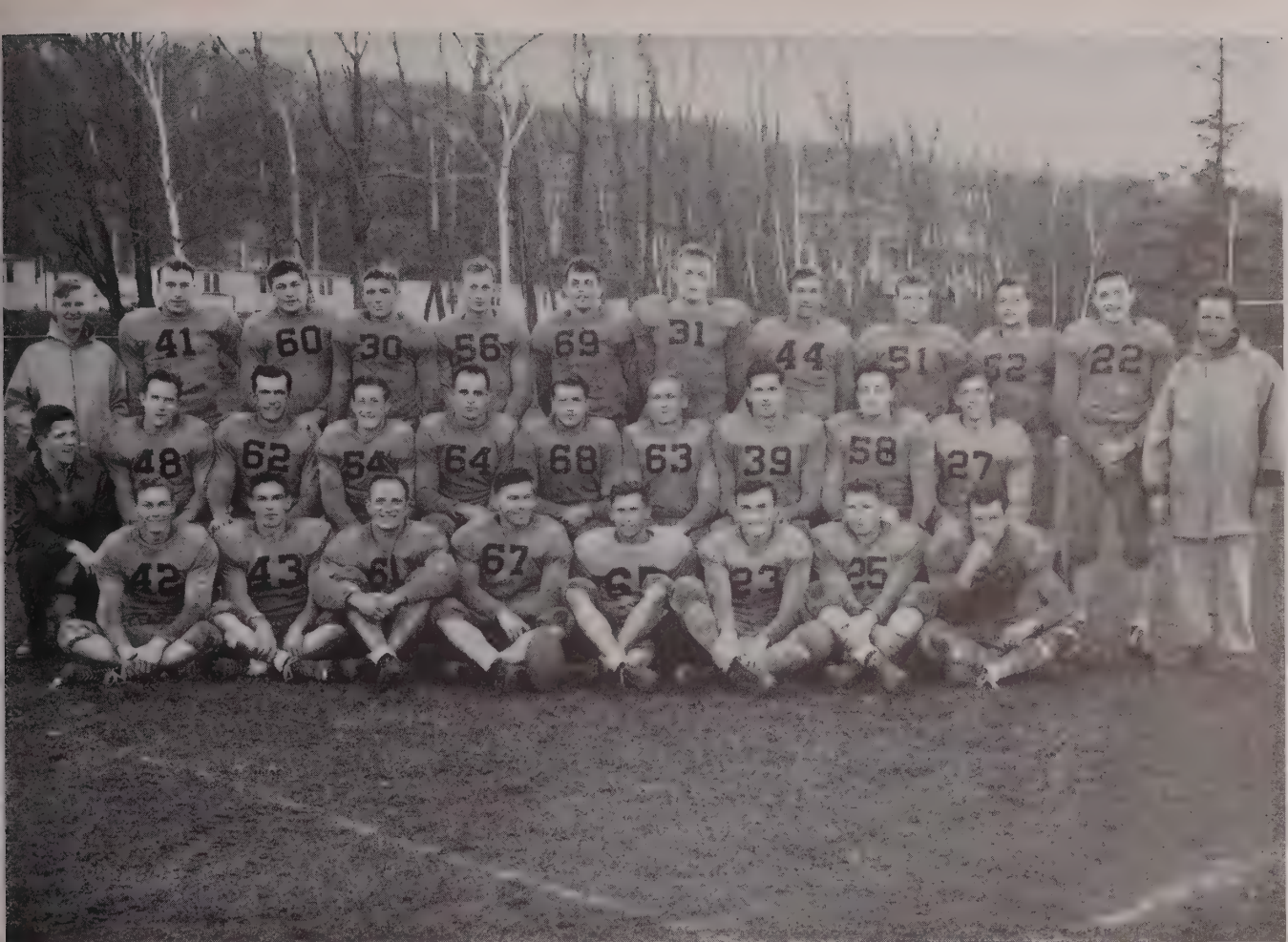
With only five returning lettermen from the previous season, D. Noblet, Waite, Maki, Gregorich and Donegan, the outlook was questionable. Veterans Dorffi, Kestner, Kellow, Cortopassi, Wanhainen and Petaja, all returning lettermen from pre-war days, provided additional and dependable support. Playing strength was rounded out to fifteen by newcomers J. Noblet, T. Olsen, M. Olsen and Ruhl, all of whom demonstrated their capabilities in short order.

(Continued on page 158)









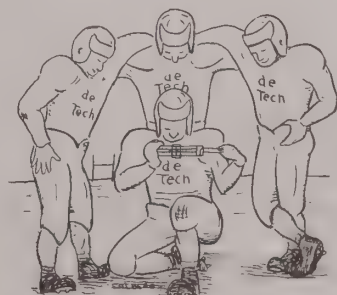
Front row, left to right: R. Sipinen, T. Edwards, P. Handberg, J. Patek, L. Camp, R. Peterson, co-captain, H. Comstock, co-captain, J. Duffy. Middle row, left to right: C. Tanton, J. Walz, J. Winkell, A. McNay, J. Donald, J. Setterberg, G. Bianchini, W. Kelly. Top row, left to right: E. Maki, H. Cosson, R. Wood, W. Hartwick, Richard Sampson, Robt. Sampson, B. Emblad, C. Stenson, R. Osterman, R. Adams, J. Hornick, R. Benoit.

Football Team

Winding up the season with a record of three wins and two losses, the Tech football squad is looking forward to the 1947 gridiron schedule. An ambitious program has been outlined for the coming season, and after a grueling five weeks Spring practice session, the boys are eager and ready.

Under co-captains Bob Peterson and Howard Comstock, the team fought hard all through the season and received the wholehearted support of the student body. The lack of seating space on Engineers' Field did not keep the rooters from turning out for the exciting games. Plans are already under way for improvements on the field as well as new stands and lights for night games.

With Mr. Bovard, new athletic director, as coach of the eleven, Tech should make an even better showing in the coming season. Formerly of the Lansing Sexton High School, Mr. Bovard has had much football experience, having been both player and coach. But win, lose, or draw, the team may be certain that the student body will be out there cheering them on, because Tech football teams are famous for a "never say die" spirit.









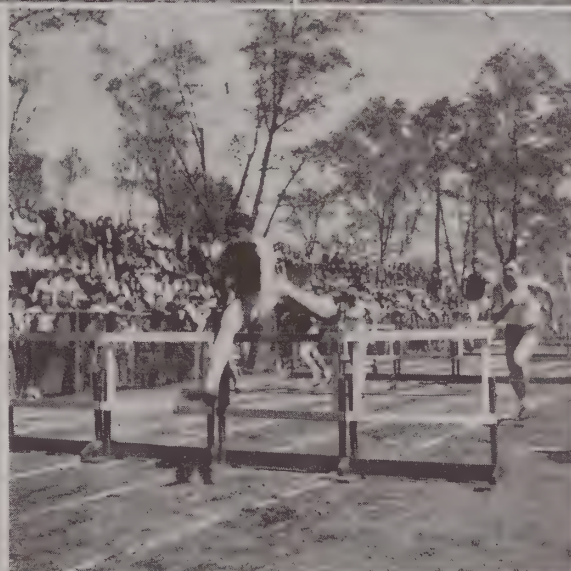
First row: W. Kuchta, A. Lapish, A. Laird, captain; W. Bannister, J. McNeil. Second row: B. Veaser, G. Sloan, R. E. Curtis.

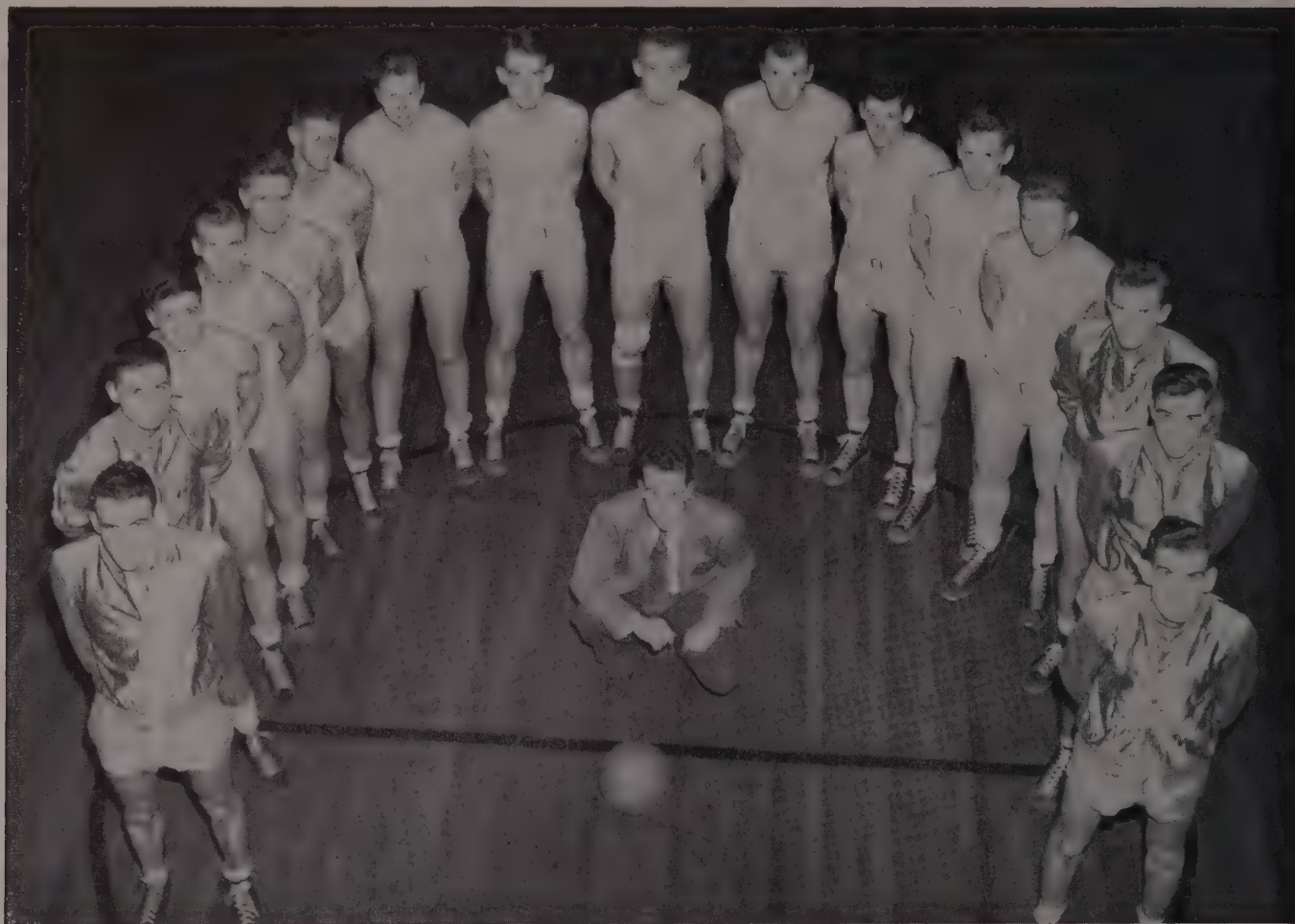
Track Team

Working under serious handicaps, the track team hung up a remarkable record in their three meets during the season. Bad weather, coupled with the fact that the building projects on Engineer's Field have torn up the track, made practice extremely difficult, but the team took it upon themselves to lay out a quarter mile track on the stamp sands and made use of it in all kinds of weather.

The meets in which Tech participated were held at Marquette, Baraga, and Ironwood. The team captured two of the meets decisively and ran a strong second in the other. Coach Rex Benoit called the team the best he has seen thus far. Art Laird, captain of the team this year, will be succeeded by Bill Kuchta, outstanding distance runner. The majority of the runners will be back next year, so our future in track looks bright.







Left to right: J. Wivell, B. Hikes, L. Short, J. Mickelson, D. Wood, R. Vander Klipp, K. Anderson, G. Hagelthorne, B. Elmlad, A. Gustafson, D. Brown, captain; G. McKindles, H. Nye, F. Shaw, W. Nancarrow, H. Linn. Center: Rex Benoit, coach.

Basketball

Playing a difficult schedule of seventeen games, the basketball team emerged with a record of five wins and eleven losses. Coach Rex Benoit selected opponents on the basis of their previous records, and as a result several of the outstanding teams of the state and section were represented on the schedule. Among the better teams played were Lawrence College of Appleton, Wisconsin; Winona Teachers of Minnesota; Central State Teachers of Mt. Pleasant, Michigan, and Eau Claire Teachers of Wisconsin.

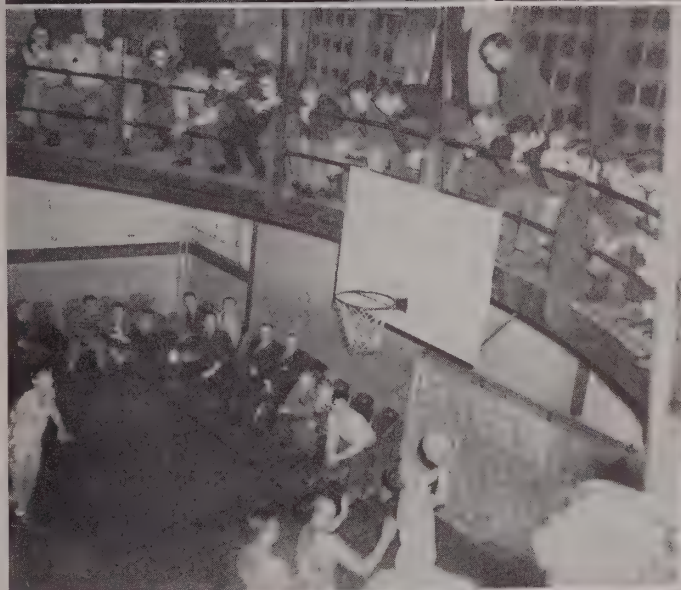
The traditional series with Northern, upper peninsula rivals, resulted in one victory for each team. The Huskies won their home game by a 61-60 score, but succumbed to a late rally at Northern and lost, 67-62.

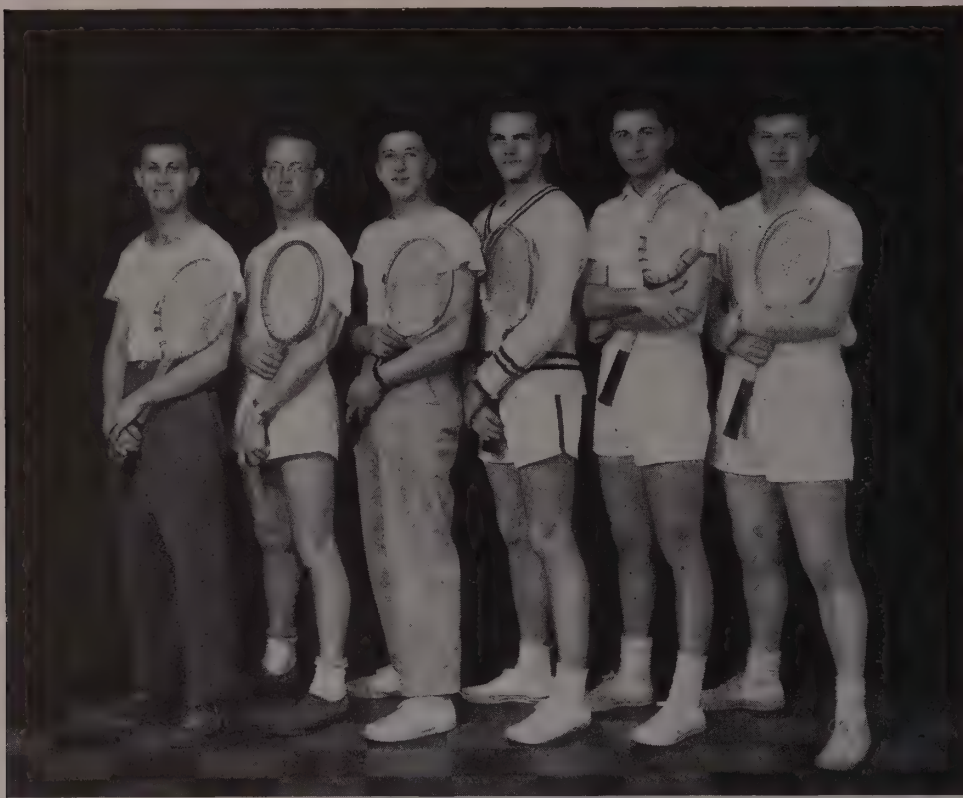
Perhaps the most interesting series of the season was played with Ferris Institute of Big Rapids, Michigan. The Techmen won both of the contests by very close scores, and in each case displayed their ability to last in a close ball game.

Senior members of the team include: Harry Nye, a consistent performer at guard, Dale Wood, three-letter winner at forward, and Bob Vander Klipp, a forward. Lloyd Short will also be lost to the team.

Leading the team as its captain in the 1947-48 campaign will be Jerry McKindles, high-scoring forward from Lanse, Michigan.







Tennis

Left to right: K. Kohler, B. Elliot, L. Short, R. Lovell, B. Hikes, G. McCarthy.

Although not yet in the category of major sports at Tech, the athletic department has shown a definite inclination to consider golf and tennis as such as soon as conditions permit. Both teams played several matches during the Spring and did exceptionally well. Space allocation for new tennis courts and an increased interest in golf indicate that these two sports will soon take a position of prominence in Tech's varsity athletics.

Golf



Left to right: D. Greenwalt, T. Boltmeyer, J. Hickey, J. Batford, M. Howell, T. LeCompte.



Standing, left to right: R. Johnson, J. Helm, M. Bourdow. Kneeling: D. Bergman, W. Jamar, R. Perdcock, S/Sgt. R. Urban.

Rifle Team

In the pre-war years, Michigan Tech boasted one of the finest college military rifle teams in the country, so it's good to know that our marksmen are once again on the range, working hard to regain our number one spot in rifle competition. Early in the season Sergeant Mount saw to it that the newly formed team became affiliated with the National Rifle Association, the powerful organization of American shooters. "Sarge" has always taken the activities of the team seriously, and his coaching has been invaluable for many years. Lt. Col. Shoemaker has also contributed much to the reorganization.

In competition, the team placed twelfth in the Hearst Trophy Matches, and holds promise of doing much better next season. Firing against powerful teams in twelve assorted telegraphic and shoulder-to-shoulder matches, Tech ended up with a .500 average, which is excellent for a team so new. At present, plans are being made to enter the team in the U. P. Gallery League which consists of about eight teams from this vicinity and fires a match each week during the winter.



When we think of Organizations we think of

Jim Vorhes

Last year the students of Michigan Tech elected Jim to head their Student Organization, and day by day they have become more pleased with their choice. He has worked tirelessly to promote the student welfare, and by his persistence and friendliness he has built a new understanding between the students, the faculty, and the administration. In addition to being president of the Student Organization, Jim is an Active member of Blue Key, Kappa Delta Psi, Tau Beta Pi, ASME, the Athletic Board, the Publications Board, and the Flying Huskies. Also, he edited the 1946 Keweenaw and was elected by Who's Who in Engineering. His record of school service is rarely equaled at Tech.

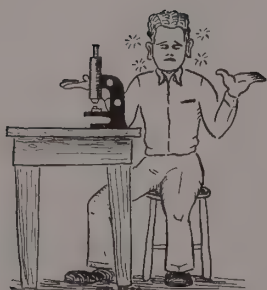




First row: R. M. Neira, C. C. Adler, R. C. Hendrickson, N. S. Eddy, A. Laird, treasurer; J. Goudzwaard, vice-president; C. N. Tanton, president; H. A. Laforet, secretary; R. J. Hibbeln, P. S. Krause, J. J. Bodzin, D. L. Walker, R. P. Roehm, R. J. Marcotte. **Second row:** J. K. Russell, J. E. Vrugink, R. D. Schoch, I. W. Beyerlein, J. C. Rasmussen, P. A. Pessoa, T. Parenti, W. N. Kvintus, R. Willard, G. E. Brown, J. C. Mallory, C. B. Salter, N. Johnson. **Third row:** W. R. Langrill, H. J. McOfie, E. Margitan, A. J. Dykema, M. J. Wolfson, G. W. Boyd, faculty adviser; M. Lauriente, E. T. Kubilins, F. M. d'Heurle, F. Gieseking, J. E. Lekander, J. H. Hull.

A. S. M.

The subject of metallurgy in its several branches is becoming increasingly important day by day, and the "met" students of Michigan Tech get as fine an education in the field of metallurgy as is possible to obtain in any American college. Members of the student chapter of the American Society of Metals are drawn together by a common interest in the subject they have chosen as their lives' work, and there is no question that each student derives many benefits from his association with others in his field. Regular meetings are held each month, at which time excellent talks and movies are presented. The A.S.M. may be proud of the intense interest which the students of Michigan Tech show in their local chapter.





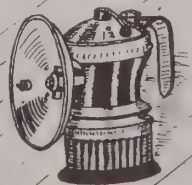
First row: R. N. Roley, H. Chiriboga, P. A. Pessoa, E. H. S. Oliveira, J. G. Phillips, E. Viscarra, secretary; W. Bannister, president; R. Lundmark, treasurer; K. Winslow, J. R. Krause, E. T. Kubilins, R. R. Wallace, A. C. Bernholdt. **Second row:** L. F. Heising, G. D. Toung, W. N. Kvintus, E. R. Drevdahl, C. L. Matson, T. Parenti, P. Handberg, G. DeHaas, W. E. Tuomi, R. Sayers, R. T. Macaul, P. C. Waite, M. P. Corriveau. **Third row:** A. Laird, K. C. Olson, C. Y. Manderfield, R. P. Clancy, D. D. McNaughton, M. E. Huston, C. J. Robinson, J. H. Mosher, R. P. Matson, N. A. Kallio, D. E. Wick, J. W. Wivell, R. I. Clevensine, W. J. Ahl.

A. I. M. E.

Tech's chapter of the A.I.M.E. is one of the few campus organizations that remained active during the war years. By virtue of their strong mutual interests, the miners are one of the oldest and most powerful professional groups on the campus. Regular meetings are held twice each month for business and educational purposes. Also, the miners' outings have always been considered among the best.

This year the group sponsored a week-end trip to Isle Royale over the Decoration Day vacation. The trip was a huge success, even though the majority spent the boat ride draped limply over the rail. More rock samples than fish were brought back, but that is quite natural for this group.

Membership to the organization is gained by submitting an application which is then approved by the faculty and voted upon by the active members. At present, the membership is the largest since 1943.



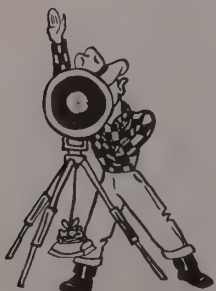


First row: W. C. Polkinghorne, R. C. Wylie, W. C. Bleimeister, K. Bucklund, treasurer; P. Scott, president; J. P. Smallwood, secretary; J. J. Cleary, E. P. Wiedenhofer. Second row: W. B. Cary, S. W. Kuchta, R. G. Balluff, A. P. Lapish, R. A. Fredstrom, J. H. Harris, W. R. DeKeyser, G. M. Couillard, W. T. Worden, R. Vander Klipp, R. E. Johnson. Third row: C. Roethke, H. A. De Mirjean, W. Wills, G. North, F. R. North, J. Bal, vice-president; O. Lacombe, C. Garcia-Arrese, H. A. Chiriboga, F. M. Fenkell, W. H. Kelly.

A. S. C. E.

This year the Tech student chapter of the A.S.C.E. consists of 43 active members. The fact that they are active may be substantiated by checking up on the number of "outings" planned during the year, in addition to the many excellent professional meetings. Neither Mr. Wiedenhofer nor "Tricks," the little bulldog who has become the Civil's mascot, would think of missing an outing, regardless of the weather. A near catastrophe occurred when "Tricks" attempted to fraternize with a porcupine and got a stub nose full of quills, but the fast application of a pair of pliers set her right again.

Next year the organization hopes to sponsor a trip to Isle Royale as the Miners did this year. If the plan is carried out you can bet it will be a good trip, because when the Civils get together there's fun and education for everybody.





First row: W. F. Gilbert, J. E. Herrmann, E. W. Frantti, treasurer; J. D. Sifterson, vice-president; J. I. McNeill, president; R. P. Bass, secretary; F. H. Gygas, W. T. Anderson. **Second row:** D. C. Ewing, G. Johnson, C. Giuliani, F. S. Mendel, J. Ogg, J. Gribble, W. Wiitala, W. Pentinmaki, P. Belopavlovich. **Third row:** G. E. Bergstrom, C. C. Rivard, P. V. Mackey, T. Armbruster, K. Renish, H. Williams, K. Pekarek, P. S. Lund, G. D. Rehuquist, A. E. Erickson. **Fourth row:** J. A. Chamberlain, J. A. Klungness, L. F. Murray, J. E. Wright, H. R. Richards, E. W. Mansfield, W. Thackham, J. J. Yared, R. E. Wright, D. W. Cargo, G. A. Foote. **Fifth row:** C. J. Wheeler, K. A. Hamming, G. Braendle, W. Rowe, J. L. Voyles, J. Barron, R. Dersken, R. Browning, A. Beebe, J. G. Liadis.

A. I. E. E.

In the years preceding the war, the A.I.E.E. received high praise from the students, faculty and townspeople for their initiative in organizing and producing the annual Engineering Show. With 60 members at the present time, the organization is going ahead with plans to revive that popular Tech activity. Also, the electricals had another of their popular combined field trips and picnics—this year to Prickett Dam.

Regular meetings are held on the second and fourth Tuesdays of each month. Many interesting speakers and movies keep the members abreast of the latest developments in the field of electricity. Refreshments are always an added attraction at the meetings.

Last May, Ken Hamming, president elect for the coming year, was sent to Notre Dame as Tech's student representative at the Great Lakes District A.I.E.E. Convention.

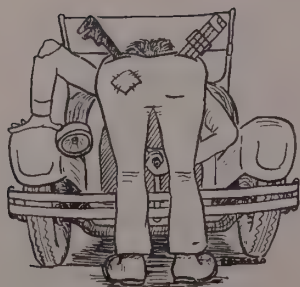




First row: M. LaLuzerne, G. V. Walz, A. A. Dorffi, H. J. Carlsen, secretary; J. F. Kelly, vice-president; D. P. Young, president; R. F. Scott, treasurer; E. R. Weber, A. P. Young. Second row: R. Erixon, G. V. Bianchini, J. M. Deli, D. S. Huhta, L. E. Cassell, J. W. Tretheway, A. W. Richardson, N. W. Kunz, J. Alberani. Third row: R. S. Kestner, D. J. Rosselle, W. O. Tschantz, A. J. Duffield, E. G. Hanold, C. Cedar, W. Jamar, C. A. Phalen, R. Chown, R. W. McCombie.

A. S. M. E.

Numbering 111 out of 384 mechanical engineering students on the campus, the A.S.M.E. is Tech's largest professional organization. This strong membership helps greatly in fulfilling the principal purpose of the group—fostering fellowship among mechanicals of all classes. Regular meetings are taken up with technical discussions, presentations of interesting articles, and talks by highly qualified speakers. Also, students are encouraged to speak before the group on technical



subjects, thus providing the members with an extremely important phase of engineering training so often neglected.

Each year competition is held in the writing of a technical paper. The local winner is sent to an area convention where he competes with winners of other A.S.M.E. branches from many colleges.

First row: T. J. Radlet, O. H. Lawless, T. A. Atkin, A. Colton, W. M. Goudey, T. R. Webb, F. K. Glasbrenner, J. F. Toppi. **Second row:** H. Roscoe, C. Kukka, R. C. Van DeWeighe, A. J. Maki, W. J. Hansen, J. F. Dimet, W. E. Jennings, C. J. Beckley, R. W. Sampson. **Third row:** T. F. Barbier, H. J. Barber, W. R. Langrill, D. K. Hoffenbacher, A. O. Salmi, W. J. Stronks, F. K. Wright, S. J. Patyk, R. F. Groos, R. J. Ebert, C. F. Buchanan.



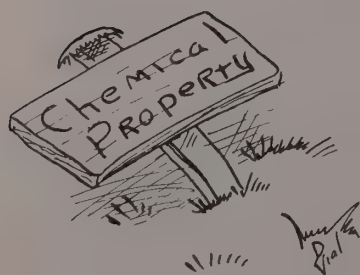


First row: R. E. Krellwitz, A. R. Le Compte, S. Dabich, D. M. Haskell, vice-president; E. R. Beck, president; F. Weber, treasurer; H. D. Bond, J. C. Vandertill, R. F. Perkett. **Second row:** S. C. Gekas, J. A. Cogan, W. F. Parker, D. J. Leonard, R. E. Lyon, N. C. Gardner, H. J. Comstock, R. M. Harris, J. A. Rengert. **Third row:** O. R. Simi, W. F. Nekervis, Jack E. Spearow, J. D. O'Neil, W. J. Burmeister, P. G. Goodreau, N. C. Pogacich, E. S. Carlson, J. C. Holland, W. C. Schulte, F. A. Bergstrom. **Fourth row:** L. W. Klar, R. A. Lloyd, R. M. Waters, N. L. Hanson, R. L. Lauren, J. J. Moon, E. R. Olson, A. A. La Forge, E. A. Bohjanen, D. L. Fredrickson, R. L. Heasley, L. A. Nault, K. W. Nickel. **Fifth row:** A. J. Christensen, F. A. Fellner, J. G. Wilson, W. J. Farmer, R. C. Dietrich, R. T. Darling, R. E. Eilger, R. K. Griffith, R. C. Read, W. E. Peterson, R. J. Couvehaine, E. P. Brady.

A. I. Ch. E.

Under the directorship of Dr. H. L. Coles, the local chapter of the American Institute of Chemical Engineers was established seven years ago and has broadened greatly in scope and membership since its beginning. Early this year the organization boasted 58 members, with Edward Beck as their president.

Regular meetings are held every two weeks, at which time various members of the faculty are invited to address the group. The chapter may always be depended upon to take an active part in the Winter Carnival program, and the members endeavor to hold banquets, smokers, and outings during the year in order to promote friendship and understanding between students enrolled in the various phases of chemistry and chemical engineering.





First row: V. Johnson, instructor; E. A. Bourdo, instructor; W. J. Nancarrow, A. L. DeVoind, W. Veaser, vice-president; H. N. Wagone, president; R. McDonald, secretary-treasurer; A. T. Maki, T. I. Taylor, H. J. Graves, R. B. Miller. **Second row:** W. E. Cary, A. Zemski, C. O. Drumon, J. Lee, J. Chapple, M. W. Bourdow, M. J. Krieg, A. P. Pepper, R. C. St Onge, R. A. Johnson, R. E. Harju, R. L. Laverdiere. **Third row:** C. Wasson, C. Jarvey, J. Noblet, D. Stipe, E. Faber, E. Anderson, J. C. Christensen, R. L. Pierce, D. L. Corbin, P. T. Recha, I. A. Kronberg, E. H. Hamalainen, A. Bartoszek, W. W. Leichman.

Forestry Club

The study of Forestry was added to the college curriculum in 1936, and the students lost no time in organizing themselves into a club. The foresters have always been admired for the activity of their group, and they lived up to their reputation again this year by capturing first prize in the snow statue contest with their excellent replicas of Keweenaw bears. The foresters have been by far the most consistent winners of this event for many years.

Tech foresters always seem to have a strong, healthy spirit, part of which they no doubt get from Professor U. J. Noblet, who never tires of promoting and taking part in extra-curricular activities. A repeat performance of the Lumberjack's Ball will definitely be in order next year, and the foresters can be depended upon to make it a huge success.





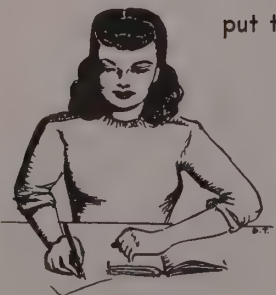
Back row, left to right: H. Cartagena, V. Coon, J. Des Rosiers, B. Bertie, E. Goff, P. Towey. Second row, left to right: D. Plutchack, J. Overbeck, S. Sperberg, M. Kelly, B. Welsh, P. Fowle. Front row, left to right: I. Cargo, M. Smith, I. Markham, P. Marquardt.

Coeds

The fall of 1947 found Michigan Tech swarming with coeds. Veterans of by-gone years were surprised to discover that over fifty girls had decided to make a place for themselves on the campus of this engineering college.

The State of Michigan was well represented by girls from the Upper Peninsula, the Lower Peninsula, and especially the Copper Country. The fame and glory of MCM and T has been so well proclaimed that even the name of a young lady from distant Dominican Republic appeared on the roster of coeds. Almost every engineering course offered was invaded by this group. There were chemical engineers, a metallurgist, numerous medical technicians, several chemists and mechanical engineers, and even a couple of math majors. Nothing was too difficult.

During the latter part of October, the coeds gathered together and voted to put their sorority Theta Chi Epsilon, on the inactive list. The sorority was organized



when Tech could boast of only a dozen coeds or less. The girls now learned that re-organization would be necessary to accommodate this much larger group. Consequently, they settled back to enjoy the entertainment supplied by other campus associations and, of course, the ever-lasting text books.

Winter passed with days of snow and studying—Spring came with days of studying and no sunshine, and, finally, graduation day. Six of the coeds received their degrees with the class of '47—one a chemical engineer, one a metallurgist, four of them chemists. All of them proud and happy.

The fall of 1948 will undoubtedly bring as many and possibly more coeds to the campus of Michigan Tech. One day, MCM and T will be as proud of her women engineers as she has always been of her men graduates!

Seated: L. M. Heikkinen, D. A. Thorne, M. J. Mudge, G. Champion, M. Ross, M. Anderson. **Standing:** N. O'Neill, R. C. Cummings, M. Johnson, E. Abramson, M. Murto, M. Stebelton.



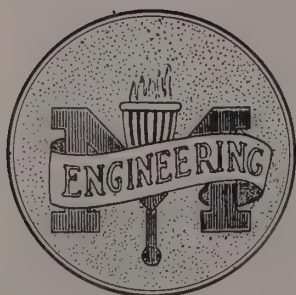


First row: H. F. Clark, A. P. Lapish, G. V. Wolz, vice-president; A. Laird, president; A. J. Maki, secretary-treasurer; R. Peterson, G. V. Bianchini, W. Goudey. **Second row:** R. Curtis, W. Bannister, L. Cassell, J. McNeil, R. Vander Klipp, M. Erickson, A. Dorff, R. Sampson, H. Comstock. **Third row:** S. W. Kuchta, B. Elmblad, J. Duffy, J. Goudzwaard, P. Waite, J. A. Donald, W. F. Hartwick, R. S. Kestner.

Varsity Club

The many returned veterans who had won their letter before entering the service have swelled the membership in the Varsity Club to an unprecedented number. This condition is highly favorable, however, as the club is getting well under way again and needs the support of as many men as possible. President Art Laird, well known for his initiative and organizational ability, is rapidly returning the club to its prewar position of prestige and importance on the campus.

During the Spring term the club held an excellent banquet at the dormitory with Dr. James Fisher as the main speaker. A dance followed the dinner, and everyone had a wonderful time.





First row: R. W. Samson, vice-president; J. G. Vorhes, president; R. C. Wylie, R. Waters. **Second row:** C. Cedar, W. F. Parker, W. J. Shepeck, R. L. Pierce, J. A. Chamberlain.

Student Council

The Student Council is the legislative body of the Student Organization and thereby forms a strong link between the Student Body and the Administration.

Headed by the President of the Student Organization, it is composed of representatives selected by popular vote from each of the classes. The jurisdiction of the House Committee, Dance Committee, Finance Committee, Lode, Keweenaw, and the distribution of the Student Organization funds to the various departments are among the duties of the Student Council.

On our campus, the Student Organization is entirely independent of the college administration; therefore, it is the responsibility of the council members to interpret accurately the desires of the student body and to plan campus activities accordingly. In this respect, they have done a fine job, and will continue to do so in the future.



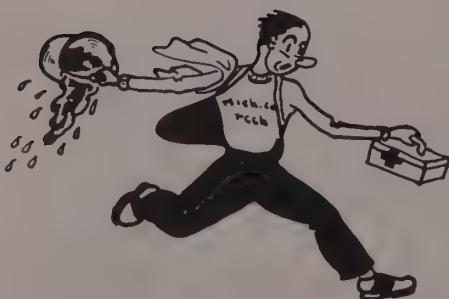


First row: W. Bannister, Sigma Rho; W. F. Hartwick, Kappa Delta; R. R. Wallace, Woodmar; J. J. Cleary, H. J. Carlson, Theta Tau; C. C. Rivard, Sophomore; B. F. Schubert. **Second row:** O. W. Borgeson, D. H. H.; R. E. Wright, Freshmen; F. K. Wright, senior hockey; T. J. Radlet, senior-junior basketball; S. J. Patyk, junior-senior manager; A. J. Maki, Independent basketball; M. Erickson, Independent hockey.

Intramural Managers

Not enough praise can be given to these men who, during the past year, have organized and carried out the most ambitious intramural athletic program ever attempted at Tech. Hardly a sport can be named that was not included in the competition. Each organization exercises careful judgment in its choice of an intramural manager, realizing that he will be the most important factor in the team's success.

In general the purpose of the organization is threefold: (1) To declare rules for intramural eligibility; (2) To determine the rules for competition and the award of the trophy; (3) To solve all problems arising out of intramural activities. Meetings are called periodically by the chairman, John Cleary, for the purpose of discussing how the intramural program can be extended and improved. Michigan Tech is particularly suited to this type of athletics, and these men have done wonders in bringing competitive sports into the curriculum of every student.





First row: W. F. Gilbert, H. J. Williams, R. E. Scott, J. A. Chamberlain, R. Browning, W. T. Anderson. Second row: J. G. Gale, K. L. Pekarek, C. Giuliani, B. Garvin, E. R. Weber.

Radio Club

Just as the ex-military pilots get together regularly for a bit of hangar flying, so do the men who built, serviced, and operated the latest equipment in the field of radio communication. Many of these men got their first radio experience at Tech before the war, and now they have returned with a store of knowledge acquired, for the most part, the hard way. Perhaps the operation of Tech's amateur station seems tame to some of them, but all the members are anxious for the day when the facilities can be expanded. The club offers a unique service to the student body—anyone who wishes may have a radiogram sent free of charge via the Tech station.

Membership in the club is not limited to those having previous experience or holding a radio operator's license. Any student who has an interest in radio and would like to take part in the activities of the club is welcome.





Left to right: T. Erickson, A. Maki, H. Gregorich, H. Seiler, M. Meyers, R. McKie.

House Committee

Administration of the affairs of Michigan Tech's clubhouse is a big responsibility, and thus far the job has been well done. The clubhouse serves as the student union and also houses the band and the athletic department, so most of the time it is an extremely busy place.

The house committee, into whose hands this responsibility has been placed, formulates rules which govern the use of the building and makes recommendations for necessary additions and repairs. With the completion of the new field house will come a whole new set of problems for which the committee must provide answers. The new building should take much of the strain of overcrowding off of the clubhouse and allow its operation to be more social than athletic. The committee will continue to make certain that the clubhouse provides the maximum possible use for the greatest number of students on our campus.



Standing: C. Roethke, J. Koppelman, W. Edwards, R. Balluff, J. Cleary, C. Tanton, R. Roley. **Seated:** D. Thorne, W. Cary, J. C. Overbeck, J. Goudzwaard.

Keweenawan Staff

Here are the people responsible for your copy of the Keweenawan. If you like it, they are pleased. If not, they will do everything possible to have you included as a member of next year's staff. As you thumb through this book, keep in mind that it was not designed for you today, but rather for you in ten or twenty years. We have tried to emphasize those activities and those people who we believe you will wish to remember, and we have purposely omitted or minimized those things which are not worth remembering.

To present a complete "resume" of a college year in 160 pages is an impossible task, but this yearbook can serve you forever as the impetus that will start the wheels grinding in your own memory. College is much more than an education; it is an experience and a way of life, the value of which is never lost. This book is an attempt to preserve for you a brief sketch of your life at Michigan Tech. We hope you think that it fulfills its purpose.



Back row, left to right: R. Willard, A. Chamberlain, J. Moon, R. Preston, C. Adler, C. Salter, J. Bodzin, J. Rengert, T. Armbruster, J. Koppelman, J. Russell, J. Alberani, J. Bahti, R. Darling, R. Balluff, T. Seaman, L. Kelly, E. Spacie. **Front row:** P. Fowle, D. Ralph, A. LaForge, W. Parker, J. Liadis, J. Dlouhy, C. Ahlstrom, F. Glasbrenner.

Lode Staff

Congratulations to the staff of the Lode for making our school paper bigger and better than ever! In December the Lode moved into the new Student Publications Office in the basement of Douglass Houghton Hall, and these new quarters helped greatly in the success of the paper.

Two outstanding recent additions to the Lode are national advertising and the inclusion of "Youth on the Campus," a pictorial section dealing with activities on various college campuses throughout the country. Business manager John Laidis has kept the paper financially sound by his consistent efforts to gather advertising.

Since the beginning of the Fall term the Lode has been under the direction of three different editors; Walt Parker, Art La Forge, and Fred Gassbrenner. A large staff of news reporters, feature writers, cartoonists, and photographers has helped to make the paper complete in every detail. The student body may be sure that the Lode will continue to be a non-partisan vehicle for the circulation of all interesting and necessary information on our campus.



First row: C. Byrnes, J. J. Bodzin, vice-president; R. Peterson, W. J. Nancarrow, president; K. W. Nickel, secretary-treasurer; M. Lauriente, D. Conces. **Second row:** R. G. Balluff, K. Renish, P. F. Johnson, R. T. Darling, R. P. Clancy, R. F. Perrett, M. Laluzerne, J. H. Bahti.

Camera Club

For the first time in the history of our school, a campus club has more applications for membership than it feels that it can handle efficiently. Even the pressure of shortages of photographic equipment has not discouraged the camera fans—the club must still turn away prospective members temporarily, which is the best advertising any group can hope for.

Regular meetings are held in the clubhouse, during which each member may display his work and receive constructive criticism from the other members. The club maintains a dark room, thus enabling the members to keep the quality of developing and printing high and the cost low. President Bill Nancarrow is a recognized authority on photography, and he has helped many new members in their quest for better pictures. The majority of the snapshots in this annual were contributed by the camera club. Also, a salon exhibit by the club was held at Nelson's Chocolate Shop, and it proved to be most popular with both the students and the townspeople.





First row: P. A. Marquardt, C. R. Huber, D. L. Fredrickson, C. J. Staskiewicz, Roger P. Clancy, vice-president; E. F. Anderson, president; F. Lonsdorf, hill captain; R. Chown, E. A. Bohjonen, P. Fowle. **Second row:** R. D. Watkins, M. A. LaLuzerne, D. Conces, P. Wieber, E. R. Weber, T. Hruby, R. Macaul, C. J. Wheeler, A. Colton, T. Stowitts, F. Gieseking, F. Reed. **Third row:** D. G. Eagling, P. M. Alexander, E. R. Drevdahl, R. K. Griffith, J. C. Rasmussen, R. M. Harris, R. Gabrielson, D. Schwalm, J. Vrugink, J. Voyles, J. Gribble, R. Lovell. **Fourth row:** W. H. Edwards, G. M. Couillard, K. L. Kohler, E. J. Faber, E. Knaebel, D. R. Smith, I. B. Markham, D. Lehto, R. Curtis, J. H. Bahti, R. Baker, J. Lekander. **Fifth row:** Joe K. Russell, F. T. Goodyear, M. L. Bunting.

Ski Club

If skiing becomes a major sport at Michigan Tech, it will be due to the well organized, hard working ski club. Never before has the club been as strong, active, and successful as it has been during this past year.

The skiers at Tech are extremely fortunate to have Fred Lonsdorf as the president of their group. Fred distinguished himself this year by winning the Central Ski Association downhill and slalom championships held at Leland, Michigan. He really brought skiing to our campus on a grand scale when he consented to teach a daily class in conjunction with the physical training program.

The club as a whole was also outstanding in competition. The two exciting meets held on Ripley Hill were both won decisively by our entrants. The club has great plans for next year, and these plans include a new and improved tow. It is only natural to expect big things of such an enterprising group.



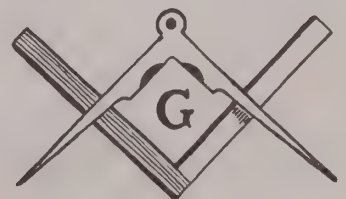


Back row: Roethke, Farmer, Sermon, Stipe, Longacre, Foote, Rodgers, Roley, York, Norell. **Center row:** Reed, Richards, Hawn, Young, Spencer, Thompson, Blanton, Padgett, Beesley, Burbank. **Front row:** Frank, Peterson, Reed, Robinson, Lyon, Baker, Marshall.

Square and Compass

Listing about 5,000,000 men in practically every corner of the world as members, the Masons have by far the largest organization of its kind. The history of Freemasonry goes back many hundreds of years, its actual beginning being unknown. Sublime tolerance is a basic fundamental of the fraternity, and thus Freemasonry never intermeddles with matters of conscience nor dictates articles of faith.

A popular definition of Freemasonry states that it is "A system of morality, veiled in allegory and illustrated by symbols." This symbolism is singularly fitting. Instruments of exactness—plumb, square, level, compasses; teach uprightness, fair dealing, true democracy, and exact justice. From this it is quite apparent why Freemasonry was stamped out by the European dictators and by Soviet Russia, and why it continues to flourish in a free and religious America.





Margorie Johnson, J. Erickson, S. Hansen, M. Shaver, P. Fowle.

Cheer Leaders

It is a well-known fact in college varsity sports that the success of the teams depends to a large extent upon the enthusiasm of the crowd and the amount of moral support that the spectators are willing to give. Bringing forth the enthusiasm and the support is the job of the cheer leaders, and it really is quite a task. In addition, they must entertain the crowd, promote interest when the contest slows down, and be the leaders when feeling runs high. During the past year our cheer leaders have done a wonderful job at every game, and certainly deserve a vote of thanks from the student body. Cheer leading at hockey games presented a problem at first, but the group decided that skates were the answer, and skate they did. If any group on the campus deserves a big "Hi There Waiters" in its honor, it is our energetic cheer leaders.





First row: C. H. Huber, J. M. Deli, F. S. Mendel, D. J. Ralph, corresponding secretary; M. J. Wolfson, vice-president; L. L. Anderson, president; L. C. Kelly, recording secretary; J. P. Smallwood, master at arms; J. H. Cleary, J. C. Niemi, E. T. Kubilins. **Second row:** M. Lauriente, R. G. Balluff, J. L. Voyles, D. G. Eagling, J. F. Dimet, R. E. Gilbert, J. E. Herrmann, J. J. Bodzin, D. Avery, K. E. Illig, R. L. Kessler. **Third row:** F. Montague, H. G. Johnson, C. A. Phalen, P. A. Russell, W. J. Murmeister, E. O. Pajunen, R. J. Hibbeln, J. C. Holland, L. A. Nault, J. L. Sharrer, J. H. Bahti, E. A. Bohjanen.

Veterans Club

With the veteran population comprising six-sevenths of the student body, it was soon evident that some medium was necessary to keep veterans posted on the latest developments pertaining to ex-servicemen. Organized several years ago, the Veteran's Club has functioned remarkably well in this capacity. Regular meetings and periodic articles in the Lode keep all interested men well informed.

The year's social calendar was marked by a number of parties, the largest and most successful of these being a Mid-Winter Dance held at the Oddfellow's Hall.

Tech was well represented at the Students Veterans Conference held at Ann Arbor by President Larry Anderson, Jim Cleary, and Jean Dimet. The conference thoroughly aired the complaints and problems of many student veterans, and a Continuations Committee was appointed to carry out a number of proposals.

As time goes on, the organization will naturally cease to function, but at the present time it is doing a fine job, and all veterans are urged to give their support in affairs of vital interest to every man.





First row: M. P. Corriveau, C. M. Eberhardt, P. A. Russell, L. Burklund, J. F. Toppi. Second row: C. A. Phalen, G. E. Johnson, J. P. Neu, W. T. Moore, R. R. Wallace, H. R. Richards.

Woodmar Council

Unfortunately, not all of our small American communities have a truly representative local government, probably due to the fact that not enough of the residents take an active interest in that part of government which affects their every day lives most intimately. Woodmar is an example of the opposite extreme. Although it certainly is not a bona fide municipality, Woodmar is proud to be able to boast of a democratically elected mayor, council, secretary, treasurer, chief of police, and fire chief. These men, the popular choices of the veterans and their wives, work hard to improve conditions within the community and to add to the happiness and general welfare of the residents. The sprawling, unincorporated, unofficial, unchartered colony of Woodmar is proud of its accomplishments, and justly so.





First row: R. F. Scott, H. A. Laforet, R. C. Dietrich, treasurer; W. W. Jamar, president; E. W. Frantti. **Second row:** J. F. Toppi, O. O. Larson, J. W. Robb, P. A. Riddell, R. A. Johnson, S. W. Kuchta.

Flying Huskies

Little did the charter members of the Flying Huskies imagine that so many students on the Tech campus would ever be qualified pilots with thousands of hours in the world's finest aircraft. Day by day the club should grow bigger and stronger, because every veteran pilot is a potential member, and swapping experiences is second nature to a grounded air corps man.

Unfortunately the club's activities are rather restricted without the use of a plane; however, with the construction of the new airport perhaps some solution can be worked out. Until then the members will probably have to be content with "hangar flying," a sport at which they are particularly proficient.





First row: D. Avery, M. Erickson, vice-president; A. J. Maki, president; R. Beesley, secretary-treasurer; R. J. Hibbeln, D. L. Fredrickson. **Second row:** M. Lauriente, J. E. Herrmann, A. W. Maki, J. H. Bahti, E. A. Bohjanen, R. W. Curtis. **Third row:** J. J. Hamm, A. R. Tinetti, E. W. Frantti, L. C. Binon, J. D. Brule, P. R. Lepisto, F. S. Mendel.

Independents

The group pictured here represents only a very small fraction of the independents on our campus; actually about eighty-five per cent of the student body are independents—that is, they are not affiliated with any of the three social fraternities. This group is, and should be, the most powerful and influential organization on the campus—this fact was proven without doubt at the Student Organization elections held during the Spring term.

Being the largest single group, it is the most difficult to organize. However, during the past year the independents have done wonders in getting together under the leadership of a few school spirited students. This is a healthy condition for our college, because it indicates that even in the face of the added responsibilities of the student veterans, school spirit is very much alive.



First row: M. J. Dunn, J. F. Kelly, B. M. Bertie, treasurer; C. Ceedar, president; G. McKeregan, H. J. Bordeleau, secretary; F. S. Mendel, R. F. Perket, F. J. Huegel. Second row: O. C. Lacombe, W. J. Gabriel, G. M. North, F. R. North, T. P. Clements, J. F. Dimet, J. Des Rosiers, V. Coon, M. A. Ross, A. Coon. Third row: T. E. Dennis, J. B. Goodman, C. Y. Manderfield, E. J. Faber, S. J. Patyk, C. J. Staskiewicz, R. D. Watkins, A. J. Rezek.

Newman Club

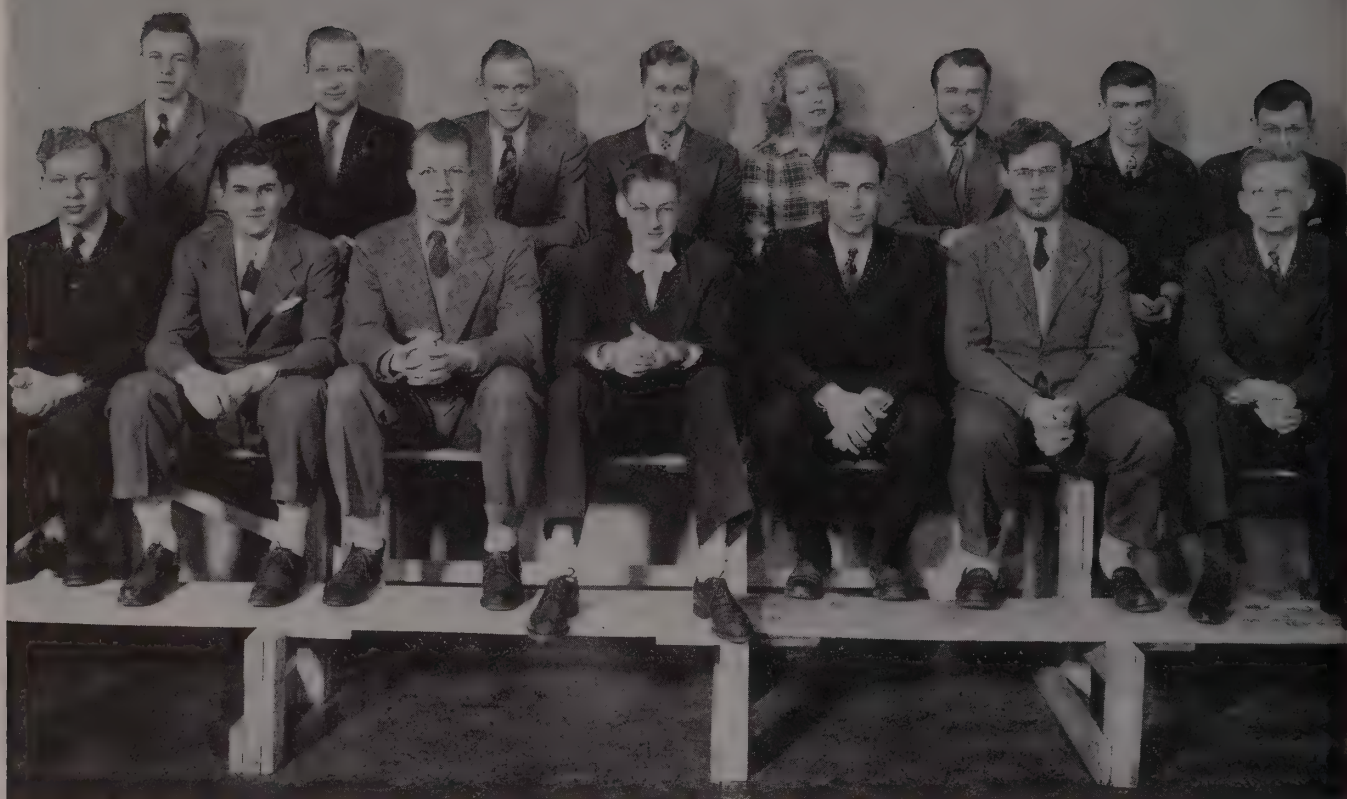
Wherever Catholic students attend a secular college or university they have recognized the need of banding together to form a Catholic group or club. As a club of Catholic culture and Catholic fellowship the Newman Club is organized in order "to deepen the spiritual and enrich the temporal lives of its members through its balanced program of religious, intellectual, and social activities."

The Newman Club of M.C.M.T. came into existence at the college in the winter of 1946. Father Thompson, who was chosen as chaplain, was chiefly instrumental in organizing the club. Although one of the youngest organizations and the first one of its kind on campus, the increasing membership and interest have proven the value and need of such a club. The club is now affiliated with the Newman Club Federation which is part of the National Catholic Youth Council.

Membership in the club is opened to all Catholic students at the college and the Catholic wives of the married students.

The highlights of this last year's Newman Club activities were its corporate Communion Breakfasts and its three-day spiritual Retreat. Aside from the spiritual activities the Newman Club brought the students together through various social activities which enabled the individual student to become acquainted with other students of his own faith and to form beneficial friendships.





First row: K. Pekarek, I. W. Beyerlein, E. R. Doehr, F. Giesekeing, T. Armbruster, H. G. Johnson, Rev. E. W. Feldscher. **Second row:** R. E. Green, R. F. Gray, G. D. Rehnquist, J. E. Lekander, D. Lehto, J. Voyles, E. Wiedenhoefer, D. Kluck.

Gamma Delta

The Gamma Delta is a religious organization that is patterned to further fellowship and good-will between Lutheran students across the nation. The Michigan Tech chapter of Gamma Delta, Beta Delta, has been in operation since May of 1946, under the guidance of Reverend E. W. Feldscher, pastor of St. Peter and Pauls Evangelical Lutheran church of Hancock.





First row: E. F. Anderson, D. G. McMillan, R. D. Watkins, vice-president; F. A. Reed, president; K. W. Nickel, secretary-treasurer; V. Johnson, K. A. Hamming. **Second row:** M. Reid, R. Sayers, J. C. Dacey, P. M. Lucas, O. W. Borgeson, C. E. Cox, J. M. Ferrell.

Dorm Club

Now that the Army has moved out and "Joe College" has moved back in, the Dorm Club is once again in full swing. At present there are fifty members in the organization, and it is expected that the membership will increase steadily.

Actually, the club is the governing body of Douglass Houghton Hall. Under the direction of D. G. McMillan, manager of the dorm, the club has done a fine job of promoting activities for the group. Graduating dorm residents are given a party in their honor, and these banquets have proven to be highly successful. During the past year, the dorm has taken a serious interest in Tech's extensive intramural athletic program and has produced strong teams in many sports. Inter-dorm sports, too, are becoming increasingly popular.



When we think of Fraternities we think of

Our Fraternity Presidents

Fraternities are the result of students' desires to live and work together and a realization of the fact that far more can be accomplished by a group than by an individual. The records of the fraternities on our campus have been outstanding, and a large measure of their success has been due to their capable leaders. These men have a great responsibility, both to the students within their respective fraternities and to the school as a whole. Their position of honor and trust should be an incentive to every student on the campus.



Edsel W. Frantti	Eta Kappa Nu
Burd Hikes	Tau Nu Tau
William B. Cary	Blue Key
James C. Vandertill	Sigma Rho
Jack R. Goudzwaard	Tau Beta Pi and Alpha Sigma Mu
William C. Turnbull	Theta Tau
Donald B. Brown	Tri Beta
Leland G. Rodgers	Kappa Delta Psi
John J. Moon	Phi Lambda Upsilon



First row, left to right: William Tilton, Daniel Maykuth, Robert F. Scott, Edward Dubbeldeman, William Goudy, John McCall, Robert Wylie. **Second row:** Franz Schubert, Julius Nachazel, Burney Bennett, Thomas Coon, U. J. Noblet, Rex Benoit, George Machwart, Nicholas Manderfield. **Third row:** Allan Bowles, Thomas McKie, Pedro Pessoa, Richard Walters, treasurer; James Vorhes, vice-president; Leland Rodgers, president; Warren Wills, secretary, Frank Wiedmaier, Donald Roselle, Lars Cassel. **Fourth row:** John Toppl, Carl Roethke, Charles Tanton.

Kappa Delta Psi

The last KEWEENAWAN reported that the Kappa Delta Psi fraternity had recently reactivated and were in the process of recovering their prewar position on the campus. We are able to report in the 1947 KEWEENAWAN that this has been accomplished.

Long a source of campus leaders, the Kappa Delts during the past year have been very active in all phases of campus life. They are intramural contenders in



every sport and their hockey team won the league championship. This, coupled with the fact that they maintained the highest scholastic average of all the campus organizations, shows that the Kappa Delts are indeed a versatile group.

Kappa Delta Psi is the only independent fraternity on the Michigan Tech campus. They were first organized in 1921 by a group of World War I veterans. Some of the faculty members are charter members of this organization.

The KD's are still without a permanent home since they were ousted by the coeds during the war years. However, the next year should see the Kappa Delts housed in a permanent home.

First row, left to right: Fred Charles, Willard Tschantz, Arne Erickson, Robert Champion, Tom Breitmeyer, Alden Steffens. **Second row:** Fred Reed, Gerald Mitchell, Howard Hassell, Evandro Oliveira, Gerald Miatech, John Winkel, Ken Buckland, Carl Johnston, John Bemis. **Third row:** William Hartwick, Tegner Johnston, Leo Adams, David Greenawalt, Arthur Christensen, Kenneth Miner, Joseph Leighton, Gerald Harrington, Rex Erixson, Charles Peterson. **Fourth row:** Frederick Fellner, Martti Lundstrom, Frank Mattson, Carl Peterson, George Metcalf, John Pizzi, Robert Woods, John Barron.









Back row, left to right: J. Ferrell, R. Penman, J. Rasmussen, J. McNeil, J. Goudzwaard, N. Hanson, R. Whitney, R. Vander Klipp, H. Comstock, S. Rideout, R. Alkema. Third row, left to right: B. Hikes, G. McKereghan, G. Walz, D. Wood, T. Walker, J. Koppelman, T. Clements, R. Johnson, F. Van Strattum, P. Handberg, W. Parker, D. Leonard. Seated, left to right: W. Shepek, F. Weber, R. Peterson, R. Sampson, vice-regent; Dr. Snelgrove, W. Turnbull, regent; R. Pierce, treasurer; R. Willard, P. Scott. Kneeling, left to right: W. Cary, Red Dog, L. La Forais.

Theta Tau

Theta Tau is specifically a professional fraternity and differs from both the academic and social fraternity. In addition to the desirable attributes of a social fraternity, Theta Tau members have a strong common bond—an interest in and persurance of engineering in its several branches.

The local chapter has long championed the spirit of Michigan Tech, and its members typify the student engineers. Theta Tau men have acquired a well earned



scholastic reputation and are always actively interested in athletics and the numerous campus organizations.

A Founder's Day banquet in the Fall and a banquet and dance in the Spring make up the outstanding items on the house social calendar. The Spring Formal was a great success again this year, with many members of the faculty and student body in attendance. After dancing at the Onagaming Yacht Club, about two hundred guests came back to the house for a late supper and more dancing.

After a spirited season of play in many different sports, Theta Tau emerged with the coveted intramural cup for 1945-46. This past season the house has again put forth a number of strong teams and seems to be well on the way toward another intramural championship.

Back row, left to right: W. Thomas, M. Bunting, K. Marsh, W. Edwards, G. Coulliard, J. Phillips, N. Eddy, R. Gribble, R. Kestner, B. O'Neill. **Third row, left to right:** J. J. Cleary, H. Lafaret, R. Grund, H. Borden, J. Kelly, W. Foth, A. Dorffi. **Second row, left to right:** O. Wright, R. Van De Weghe, H. McPhail, L. Anderson, J. H. Cleary, H. Carlson, T. Parenti. **First row, left to right:** C. Cedar, G. Coffey, P. Waite, Dr. Snelgrove, E. Kublins, W. Hansen, scribe; W. Bleimeister.









Back row, left to right: J. Hall, R. Benson, J. Crawford, J. Hickey, J. Botsford, K. Strong, R. Randolph, L. Luder, A. LeCompte, F. Kellow, F. Rice, R. Huber, D. Hollingsworth. Fourth row: H. Harding, J. Ronse, J. Vandertill, R. Lansdale, R. Montgomery, R. Botsford, C. Haslam, W. Kelly, R. Bramblett, J. Helm, G. Page, G. Weege, P. Lapish, J. Duffy, A. Boorman. Third row: M. Meyers, P. Tinnetti, R. Lundmark, D. Dibble, W. Padgett, T. LeCompte, C. Taylor, R. Bilger, M. Huston, C. Beckly. Second row: D. McNaughton, W. Farmer, D. Yadon, R. Dietrich, M. Coon, J. Kerr, R. Bertie, P. Easling. Front row: R. Falberg, treasurer; W. Jacobs, vice-archon; W. Bannister, archon; F. Buchanan, secretary; G. Balluff, steward.

Sigma Rho

Sigma Rho, the oldest professional mining fraternity in the world, is now rounding out its first year of operation since the inactivity of the war years, and the Alpha Chapter of Michigan Tech is looking back with pleasure upon a very successful recovery. The active membership has reached an all-time high of 52 members, 32 of whom live in the chapter house. Considerable difficulty was encountered in getting the house back into operation, but by the time the winter term ended things were progressing nicely, and the fraternity was able to focus its full attention on the Winter Carnival and set a new record in event scoring to win the Blue Key Achievement Award trophy. This has been the highlight of the year so far, but the Sigs intramural teams are working hard to try to win the intramural trophy.









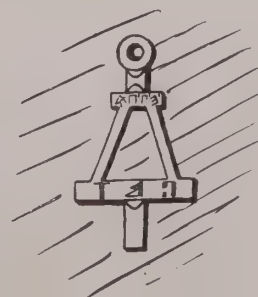
First row: R. Walters, G. W. Boyd, W. F. Gilbert, J. J. Moon, secretary; E. R. Olson, vice-president; J. Goudzwaard, president; E. Kubilins, A. P. Young, R. J. Smith, J. H. Hull. **Second row:** W. G. Wills, R. Q. Gribble, M. R. Wolfson, R. C. Wylie, H. E. Roscoe, G. C. Wanhainen, A. O. Salmi, E. R. Beck, D. M. Haskell, H. J. Comstock, A. A. Dorffi. **Third row:** J. J. Toppi, J. G. Vorhes, A. E. Erickson, R. C. Desrosiers, P. N. Handberg, E. W. Frantti, R. P. Bass, W. J. Pentimaki, R. A. Fredstrom, R. K. Griffith, R. F. Baird, J. A. Cogan.

Tau Beta Pi

Election to Tau Beta Pi, the greatest of all national engineering honorary societies, is the highest honor that can be bestowed upon an undergraduate at Tech.

Michigan Tech's chapter of Tau Beta Pi is one of 76 such chapters located at leading engineering colleges throughout the country.

Selections to Tau Beta Pi are made on the basis of scholarship, character, leadership and campus activities. Pledge requirements consist of all men wearing suits to classes for a week and writing an essay on some phase of engineering. Formal initiation is followed by a banquet. Elections are held during the fall and spring terms.





First row: B. B. Bennett, R. N. Roley, R. A. Fredstrom, corresponding secretary; D. P. Young, recording secretary; J. C. Rasmussen, president; W. S. Bannister, vice-president; J. Goudzwaard, treasurer; R. C. Van De Weighe, A. A. Dorffi. **Second row:** M. R. Wolfson, N. S. Eddy, L. E. Cassell, J. G. Vorhes, W. B. Cary, H. E. Roscoe, J. G. Liadis, E. B. Johnson, K. C. Olson, W. B. Burmeister, W. F. Parker. **Third row:** J. F. Toppi, W. Wills, R. Wylie, R. Sampson, R. Walters, C. Tanton, J. Mosher, J. J. Moon, R. E. Bilger, G. McKereghan, A. A. La Forge.

Blue Key

Blue Key is a National Honorary Service Fraternity—in other words, a group of above average students who take it upon themselves to perform many of the difficult projects carried out on our campus. The most outstanding of these is, of course, the Winter Carnival, which needs no further discription. Long months of planning and hard work by every member go into making the Carnival a huge success year after year.

Now that the organization is once again well established, the members hope that they will be able to take on various other duties which will provide service to the school. Most of the work toward the publication of a freshman handbook for next Fall has been completed. This book should prove invaluable to the new students. Also, Blue Key members have been appointed as the official College Marshalls.

No organization on our campus has as fine a record of school service as Blue Key. Providing service is their function, and this they do willingly and efficiently. Every member may be justly proud of his many contributions to his college.





First row: D. M. Haskell, treasurer; J. J. Moon, vice-president; E. R. Olson, president; R. E. Lyon, secretary; Dr. R. F. Makens, counselor. **Second row:** J. D. Wilson, E. R. Beck, R. K. Griffith, K. W. Nickel, W. J. Burmeister, E. A. Bohjanen. **Third row:** O. R. Simi, R. J. Baird, H. J. Comstock, J. A. Cogan, A. A. La Forge, W. F. Parker.

Phi Lambda Upsilon

Phi Lambda Upsilon, an honorary chemical society, was founded in March, 1899 at the University of Illinois. The aims and purposes of the Society are "the promotion of high scholarship and original investigation in all branches of pure and applied chemistry." The national rolls list thirty-nine chapters located at American colleges and universities. Michigan Tech's Alpha Omicron chapter, the newest chapter, is an outgrowth of Chi Epsilon Chi, a local chemical honorary. Much credit is due Dr. R. F. Makens, chapter counselor, for his work in establishing the local chapter.

The past year's activities include election of members, initiation banquets, plans for the 1947 national convention, and the awarding of a handbook prize.





First row: N. S. Eddy, J. H. Hull, J. C. Rasmussen, secretary; G. W. Boyd, faculty adviser; R. J. Marcotte, national secretary-treasurer; H. A. Laforet, vice-president; J. Goudzwaard, president. **Second row:** N. Johnson, M. P. Corriveau, M. R. Wolfson, R. C. Hendrickson, P. A. Pessoa, E. T. Kubilins, R. P. Roehm, C. N. Tanton, treasurer.

Alpha Sigma Mu

Alpha Sigma Mu, a national honorary metallurgical engineering fraternity, was founded at the Michigan College of Mining and Technology in January, 1932. Since its founding, new chapters have been established at various metallurgical engineering schools throughout the country. Alpha Sigma Mu is the only national honorary metallurgical engineering fraternity in the country.

Alpha Sigma Mu has three purposes—

1. To recognize scholastic achievement among students of metallurgy.
2. To link its members together in a common bond of professional interest.
3. To be a lasting benefit to all its members and alumni.

Social activities are limited, usually being held in coordination with the Tech Chapter of the American Society for Metals.



First row: W. F. Gilbert, E. W. Frantti, president; R. P. Bass, secretary; W. T. Anderson. **Second row:** A. E. Erickson, J. I. McNeil, P. V. Mackey, J. E. Herrmann, P. Belopavlovich.

Eta Kappa Nu

This past year saw the reactivation of Tech's chapter of the National Honorary Electrical Engineering Society. Eight students and five members of the faculty comprise the membership at present. To be eligible for membership, an electrical engineering student must be in the upper 20 per cent of the class in his chosen field; thus the group is highly selective, and it is definitely an honor to be part of the organization.

Meetings are called at the discretion of the President, and each Spring and Fall an initiation and banquet are held. Eta Kappa Nu works in close conjunction with the A.I.E.E. on all projects undertaken by the electricals.



First row: W. G. Wills, G. L. Mitchell, B. F. Schubert, G. Braendle, W. Wittala. Second row: R. L. Lauren, R. Baker, J. Ferrell, L. E. Cassell, E. R. Ruhlman, H. D. Bond, secretary; R. Wylie.

Tri Beta

In 1939 B. Franz Schubert assumed the leadership of Tri Beta, the Honorary Band Fraternity. Reactivated last Fall with only a few members, the organization soon pledged and initiated L. Cassel, R. Wylie, W. Wills, R. Lauren, R. Ruhlman, B. Mitchell, D. Dibble, G. Brandin, R. Wittala, J. Ferrell, and R. Friche.

Probably the most difficult task undertaken by Tri Beta is the raising of funds for the purchase of new instruments. The Fraternity sponsored a party during the Fall term for this purpose with remarkable success.

The students of Michigan Tech are deeply indebted to Tri Beta for sponsoring our fine dance band, without which many of our social functions would be impossible. Good music is destined to take a more important position on our campus, now that Tri Beta is once again in full swing.



Left to right: Lt. Col. W. S. Shoemaker, B. Hikes, F. De Sautel, K. Nickel, C. Phalen.

Tau Nu Tau

When war struck and students left Michigan Tech to join the various branches of the service, undoubtedly the hardest hit of all fraternities was Tau Nu Tau. Being a national honorary military engineering fraternity, its members were naturally taken into the Army almost immediately. Last Fall four members reactivated the organization, pledged seven men, and elected Lt. Col. Shoemaker both an honorary member and faculty advisor.

Outstanding scholarship is necessary for eligibility to T.N.T. and election to the organization is by secret ballot of the active members. Initiations are held in the Spring and the Fall, with a sunrise formal and an afternoon informal meeting.

Remember the annual Engineer's Ball, sponsored by T.N.T. and the R.O.T.C.? This dance ranked second only to the Winter Carnival as the outstanding social function of the year. T.N.T. intends to hold the dance again as soon as circumstances permit, and the student body is anxious for the day to arrive.



When we think of

Classes

we think of

Art Dorffi

For many years Michigan Tech has been proud of the fact that its varsity athletes have been among the "above average" students in the classrooms. Art is probably the most outstanding example of this phenomenon. For four years he has maintained an average slightly above 93, and is now graduating with the top honors of the senior class. In addition to playing varsity hockey for three seasons, Art is a member of Theta Tau, Blue Key, Tau Beta Pi, Varsity Club, Tau Nu Tau, ASME, and was selected by Who's Who in Engineering. It is men like Art Dorffi that make a college great in every respect.



Seniors



R. J. Baird • Chemistry
459 E. Wood St., Flint, Mich.

J. Bal • Civil Engineering
42 Oakwood Ave., Gaastra, Mich.

R. G. Balluff • Civil Engineering
40 Frelinghuysen St., Battle Creek, Mich.



W. S. Bannister • Mining Engineering
131 N. McKinley Ave., Battle Creek, Mich.

P. M. Barnes • Electrical Engineering
128 N. Mackinac St., Manistique, Mich.

R. P. Bass • Electrical Engineering
19923 Woodland St., Detroit 24, Mich.



P. N. Beauchamp • Electrical Engineering
911 Quincy St., Hancock, Mich.

E. R. Beck • Chemical Engineering
138 Ahmeek St., Laurium, Mich.

G. J. Beckley • Mechanical Engineering
204 Cliff St., Battle Creek, Mich.

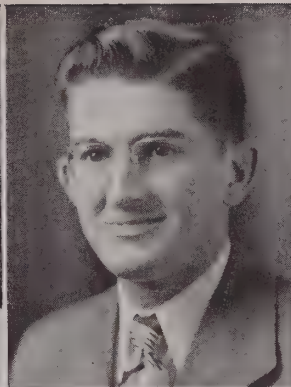
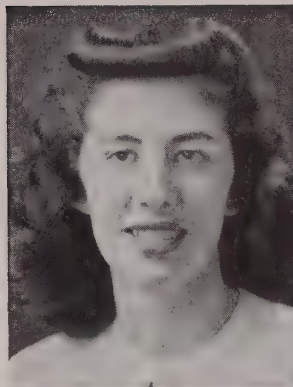


R. N. Belanger • Electrical Engineering
Broad St., L'Anse, Mich.

R. A. Bell • Mechanical Engineering
223 Huron St., Cheboygan, Mich.

P. Belopavlovich • Electrical Engineering
Box 338, Hubbell, Mich.

B. M. Bertie • Chemistry
Box 243, Vulcan, Mich.



J. W. Beyerlein • Metallurgical Engineering
212 Kensington St., Ferndale 20, Mich.

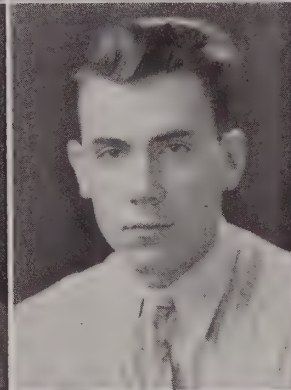
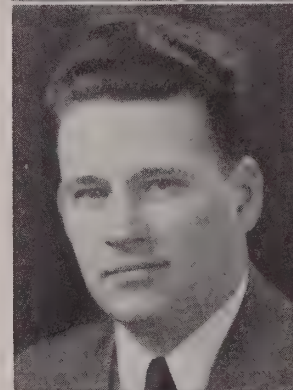
R. E. Bilger • Chemical Engineering
217 N. 24th Ave. E., Duluth 5, Minn.



W. M. Binder • Mining Engineering
2017 Westpark, Whiting, Indiana

W. C. Blemeister • Civil Engineering
14344 Warwick Road, Detroit 23, Mich.

H. D. Bond • Chemical Engineering
221 Sheldon St., Houghton, Mich.



H. M. Borden • Mechanical Engineering
1063 Madison Ave., Birmingham, Mich.

J. A. Bowles • Electrical Engineering
117 E. Francis St., Ironwood, Mich.

I. C. Cargo • Chemistry
217 Hubbell St., Houghton, Mich.



H. J. Carlsen • Mechanical Engineering
112 Sixth St., Gladstone, Mich.

L. E. Cassell • Mechanical Engineering
308 Fourth St., Stambaugh, Mich.

H. A. Cavanaugh • Metallurgical Engineering
15050 Vaughan Ave., Detroit 23, Mich.



H. C. Chiriboga • Mining and Civil Engineering
Calle Cuenca 64, Quinto, Pichincha, Ecuador, S. A.

L. P. Clark • Metallurgical Engineering
1658 Madison Ave., Grand Rapids, Mich.

R. G. Coffey • Mining Engineering
11700 Ivanhoe Blvd., Orlando, Fla.



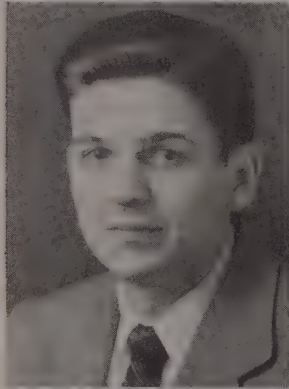
J. A. Cogan • Chemical Engineering
139 Tremont, Saginaw, Mich.



H. J. Comstock • Chemistry
11674 Sorrento, Detroit, Mich.



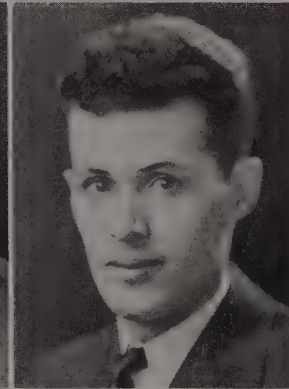
M. P. Corriveau • Mineral Dressing
32 Palmer St., Salem, Mass.



S. Dabich • Chemistry
3285 Sherbourne, Detroit 21, Mich.



R. C. Desrosiers • Mining Engineering
464 Laurel Hill Ave., Cranston, R. I.



A. J. DeVriend • Forestry
1423 Colorado St., Sheboygan, Wisc.



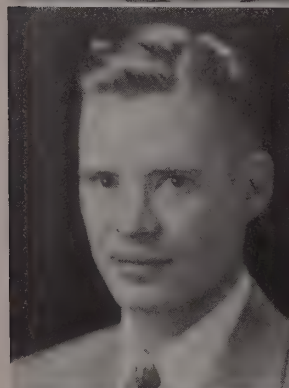
R. C. Dietrich • Chemical Engineering
1228 N. Washington Ave., Lansing, Mich.



M. B. Dillon • Mechanical Engineering
5909 Wynnwood Road, Washington 16, D. C.



R. R. Dirksen • Electrical Engineering
404 Hamilton Ave., Iron Mountain, Mich.



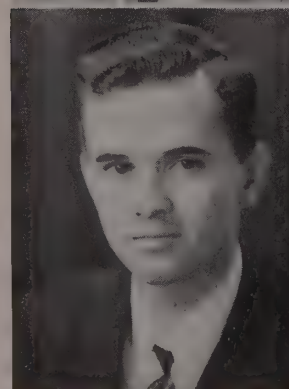
A. A. Dorffi • Mechanical
Box 19, Allouez, Mich.



F. E. Dubbeldeman • Mechanical Engineering
302 W. Douglass, Houghton, Mich.



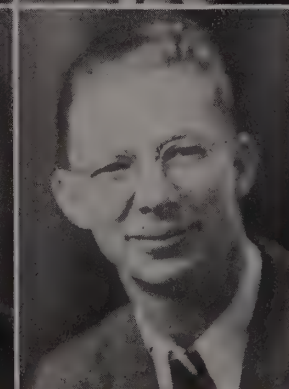
R. J. Ebert • Mechanical Engineering
Arcadia, Mich.



N. S. Eddy • Metallurgical Engineering
Calumet St., Lake Linden, Mich.



E. W. Frantti • Electrical Engineering
83 Sixth St., Mohawk, Mich.



R. A. Fricke • Mechanical Engineering
Hurontown, Mich.

N. C. Gardner • Chemical Engineering
90-16 179th St., Jamaica, N. J.

W. M. Goudey • Mechanical Engineering
35 Connecticut Ave., Highland Park 3, Mich.

J. R. Goudzwaard • Metallurgical Engineering
923 Dykstra Road, Rte. 2, Muskegon, Mich.

H. L. Gregorich • Electrical Engineering
107 Quincy St., Hancock, Mich.

R. Q. Gribble • Mineral Dressing
651 Sutherland St., Ironwood, Mich.

R. K. Griffith • Chemical Engineering
4309 London Road, Duluth 4, Minn.

R. C. Grund • Metallurgical Engineering
1109 Jasper Ave., Houghton, Mich.

J. J. Hamm • Mechanical Engineering
134 S. Pewabic, Laurium, Mich.

P. N. Handberg • Mining Engineering
606 E. Camp St., Ely, Minn.

D. M. Haskell • Chemical Engineering
Lake Linden, Mich.

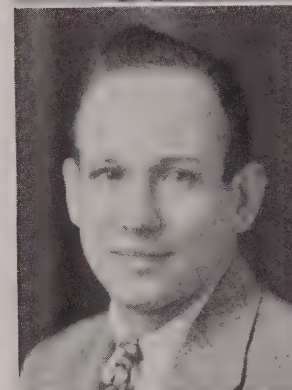
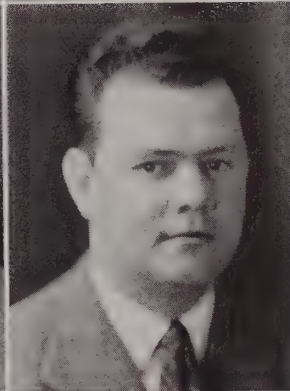
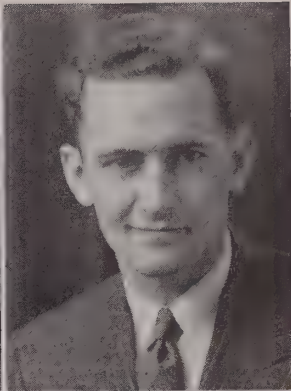
R. L. Heasley • Chemical Engineering
303 Maple St., Holland, Mich.

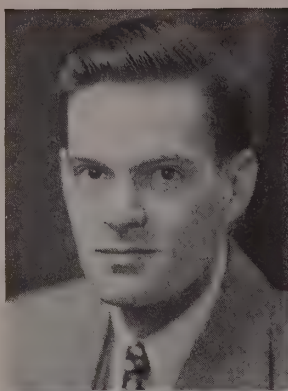
L. M. Heikkinen • Metallurgical Engineering
Box 364, Atlantic Mine, Mich.

L. F. Heising • Mining Engineering
1984 Bathgate Ave., Bronx, N. Y.

R. C. Hendrickson • Metallurgical Engineering
26 Sweet St., Grand Rapids, Mich.

J. E. Hermann • Electrical Engineering
502 W. 136th St., New York, N. Y.





J. E. Hilton • Mechanical Engineering
325 Ashland Ave., Detroit 15, Mich.



O. I. Hoff • Mechanical Engineering
719 E. Ridge St., Ishpeming, Mich.



D. K. Hoffembacher • Mechanical Engineering
343 E. Ridge St., Marquette, Mich.



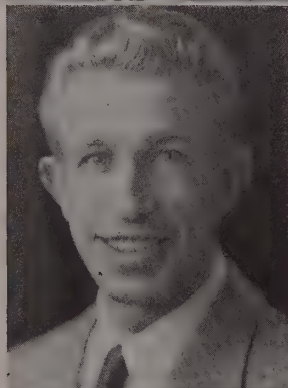
D. S. Huhta • Mechanical Engineering
213 Balsam St., Kingsford, Mich.



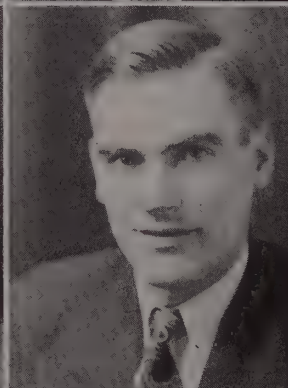
J. H. Hull • Metallurgical Engineering
709 N. Jackson St., Clinton, Ill.



M. E. Huston • Mining Engineering
642 Beechwood Drive, Havertown, Pa.



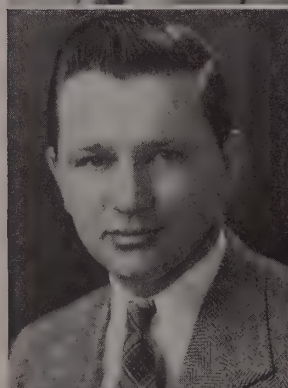
P. B. Jacobsen • Metallurgical Engineering
2 Lovenskiolds Gt., Oslo, Norway



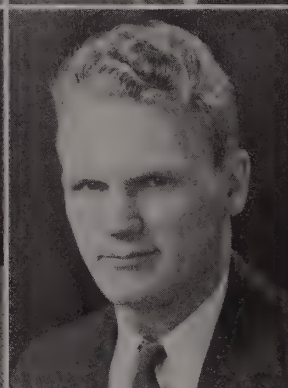
W. W. Jamar • Mechanical Engineering
146 W. Winona St., Duluth 3, Minn.



E. B. Johnson • Metallurgical Engineering
332 S. Second St., Ishpeming, Mich.



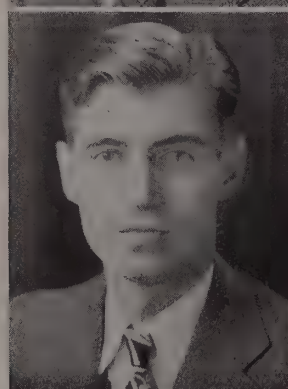
R. S. Kakkuri • Mechanical Engineering
Box 387, Baraga, Mich.



W. G. Karjalainen • Mechanical Engineering
Box 145, Allouez, Mich.



R. S. Kestner • Mechanical Engineering
1209 E. Houghton Ave., Houghton, Mich.



J. R. Krause • Mining Engineering
744 Glenayre Drive, Glenview, Ill.



E. T. Kubilins • (Gr) Metallurgical Engineering
916 Lemuel St., Muskegon Heights, Mich.



C. R. Kukka • Mechanical Engineering
520 Emma Ave., Hancock, Mich.

H. A. Laforet • Mechanical Engineering
14312 Glastonbury Road, Detroit 23, Mich.

W. R. Langrill • Mechanical Engineering
103 Tuscola Road, Bay City, Mich.

J. Lasio • Mining Engineering
201 Fourth Ave., Trimountain, Mich.

R. J. Laverdiere • Forestry
Pine St., Lake Linden, Mich.

R. L. Lauren • Chemical Engineering
606 E. South St., Houghton, Mich.

M. Lauriente • Metallurgical Engineering
2122 W. Madison St., Chicago 12, Ill.

O. H. Lawless • Mechanical Engineering
711 Howett St., Peoria 6, Ill.

T. H. LeCompte • Metallurgical Engineering
1846 Sanford St., Muskegon, Mich.

W. W. Leichman • Forestry
Daggett, Mich.

J. D. Lescoe • Electrical Engineering
100 Poplar St., Ironwood, Mich.

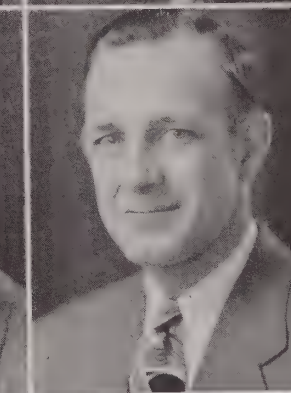
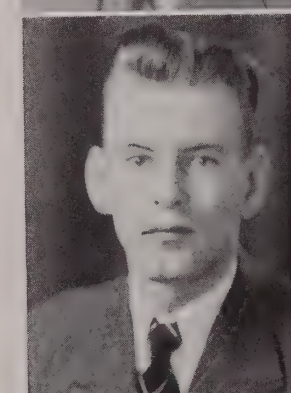
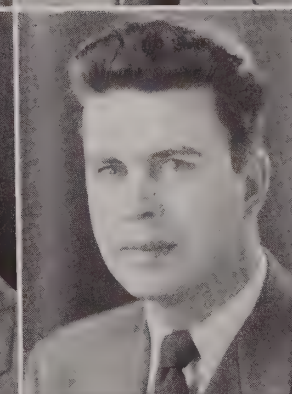
J. G. Liadis • Electrical Engineering
9693 Cascade Ave., Detroit 4, Mich.

R. A. Lloyd • Chemical Engineering
228 Florence Ave., Pontiac 17, Mich.

P. S. Lund • Electrical Engineering
Michigamme, Mich.

R. J. Lundmark • Mining Engineering
3449 Whitney Ave., Mt. Carmel, Conn.

D. E. Lusk • Mechanical Engineering
46 Lakeview, Battle Creek, Mich.

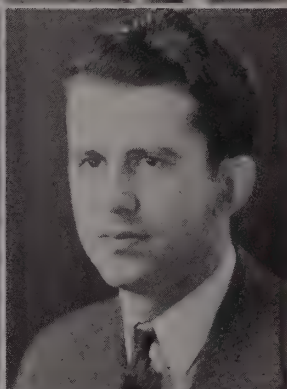
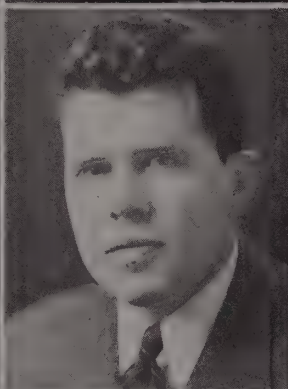




R. E. Lyon • Chemical Engineering
189 State St., Mancelona, Mich.

I. B. Markham • Chemical Engineering
401 N. Fourth St., Marquette, Mich.

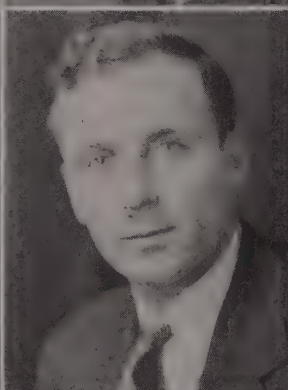
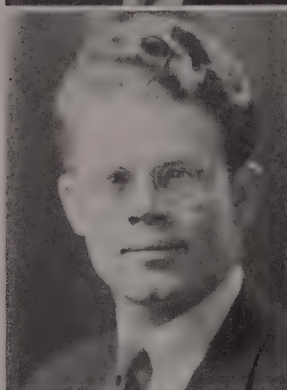
D. J. Maykuth • Metallurgical Engineering
6408 Burns Ave., Detroit 13, Mich.



J. T. McCall • Civil Engineering
304 Agate St., Houghton, Mich.

G. F. McKereghan • Mining Engineering
4312 Eton Place, Minneapolis 10, Minn.

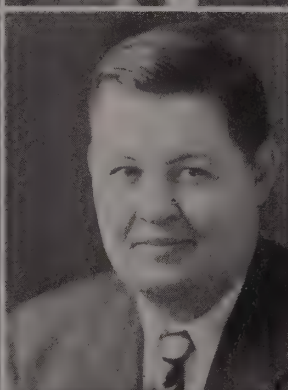
T. G. McKie • Mechanical Engineering
200 E. Magnetic St., Marquette, Mich.



J. I. McNeil • Electrical Engineering
520 Harding St., Detroit 14, Mich.

H. H. McPhail • Civil Engineering
Route 2, Holly, Mich.

F. S. Mendel • Electrical Engineering
3434 Madison St., Carrollton, Mich.



J. J. Moon • Chemical Engineering
101 W. 66th St., Kansas City 5, Mo.

W. J. Nancarrow • Forestry and Civil Eng.
2733 Highland Ave., Evanston, Ill.

L. Nault • Chemical Engineering
642 S. Pine St., Ishpeming, Mich.



F. North • Civil Engineering
Stonewall Road, Jackson, Mich.

G. M. North • Civil Engineering
Stonewall Road, Jackson, Mich.

J. Ogg • Electrical Engineering
Route 2; Gladwin, Mich.

K. C. Olson • Mining Engineering
308 W. Barnum St., Ishpeming, Mich.

J. D. O'Neil • Chemical Engineering
855 Bluff St., Marquette, Mich.

J. R. Osterman • Mechanical Engineering
Box 398, Baraga, Mich.

W. F. Parker • Chemical Engineering
1326 Howard St., Port Huron, Mich.

W. Pentinmaki • Electrical Engineering
1 Rolling Mill Location, Negaunee, Mich.

P. A. Pessoa • Metallurgical Engineering
Rio de Janeiro, Brazil

W. E. Peterson • Chemical Engineering
Nunica, Mich.

D. A. Plutchak • Chemistry
Mass, Mich.

J. C. Purdy • Mechanical Engineering
Route 1, Cochrane, Wisc.

T. J. Radlet • Mechanical Engineering
925 S. Webster, Green Bay, Wisc.

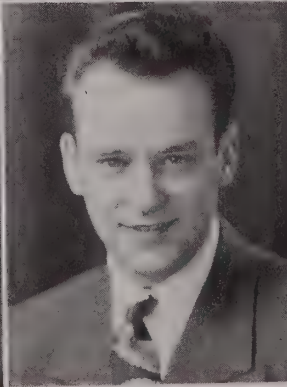
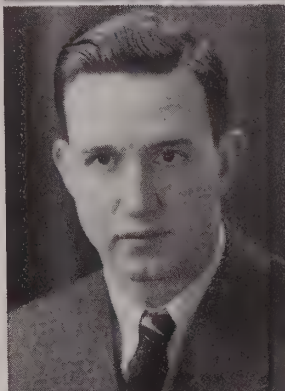
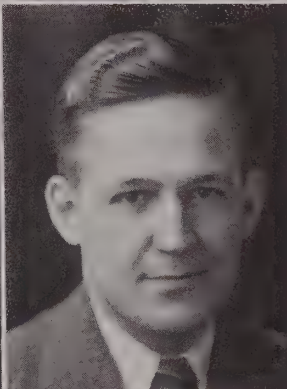
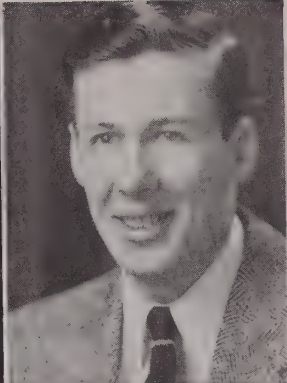
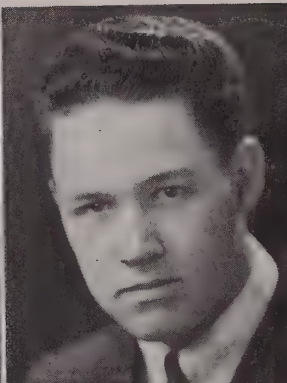
J. C. Rasmussen • Metallurgical Engineering
Route 16, Box 346, Milwaukie, Ore.

R. A. Reinecke • Chemical Engineering
Box 41, Wakefield, Mich.

J. W. Robb • Mining Engineering
2416 Roslyn St., Duluth, Minn.

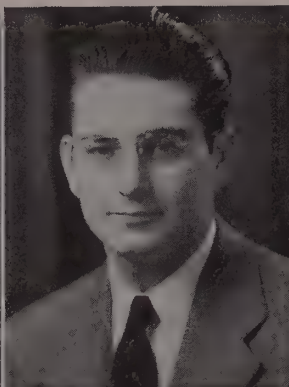
L. G. Rodgers • Mineral Dressing
1682 Tyler St., Detroit 6, Mich.

C. L. Roethke • Civil Engineering
1759 Gratiot St., Saginaw, Mich.





R. N. Roley • Mining Engineering
107 Spruce St., Pana, Ill.



J. R. Ronse • Mechanical Engineering
867 Notre Dame, Grosse Pointe, Mich.



H. E. Roscoe • Mechanical Engineering
1114 Holmes St., Menominee, Mich.



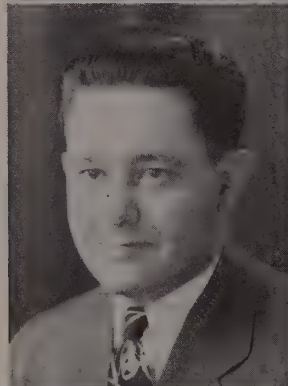
D. J. Rosselle • Mechanical Engineering
915 Hampton Road, Grosse Pointe, Mich.



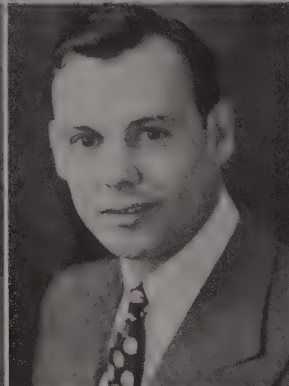
A. O. Salmi • Mechanical Engineering
126 E. Tamarack St., Ironwood, Mich.



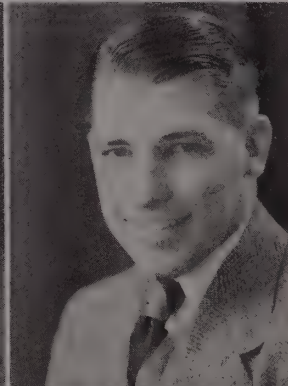
R. W. Sampson • Mechanical Engineering
107 S. Mansfield St., Ironwood, Mich.



M. L. Sanregret • Metallurgical Engineering
111 8th St., Calumet, Mich.



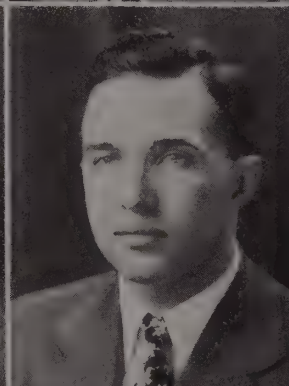
P. M. Schmitt • Metallurgical Engineering
219½ Gray St., Green Bay, Wisc.



E. P. Scott • Civil Engineering
136 Orchard Lane, Benton Harbor, Mich.



R. F. Scott • Mechanical Engineering
504 Hendrie Blvd., Royal Oak, Mich.



C. H. Seaborg • Mechanical Engineering
1115 N. 5th St., Ishpeming, Mich.



P. P. Sidbeck • Mechanical Engineering
208 Walnut St., Munising, Mich.



J. D. Siiterson • Electrical Engineering
545 2nd St., Calumet, Mich.



O. R. Simi • Chemical Engineering
Mass, Mich.



L. W. Stewart • Mechanical Engineering
Route 1, Lawrence, Mich.

B. E. Stoor • Mechanical Engineering
Dollar Bay, Mich.

W. J. Stronks • Mechanical Engineering
Route 1, Holland, Mich.

M. E. Strucel • Civil Engineering
306 6th St., Calumet, Mich.

F. J. Stukel • Electrical Engineering
3957 Wedge St., Calumet, Mich.

C. N. Tanton • Metallurgical Engineering
1232 Pingree Ave., Detroit 2, Mich.

T. I. Taylor • Forestry
580 Cleveland, Gary, Ind.

W. E. Thackman • Electrical Engineering
430 E. McMillan Ave., Newberry, Mich.

C. F. Thebo • Metallurgical Engineering
406 Dodge St., Houghton, Mich.

W. N. Thomas • Mechanical Engineering
3 Newport Heights, Ironwood, Mich.

R. P. Tidman • Mechanical Engineering
1361 Bishop Road, Grosse Pointe 30, Mich.

J. F. Toppi • Mechanical Engineering
48 Union St., Mt. Clemens, Mich.

J. W. Tretheway • Mechanical Engineering
921 River Ave., Iron Mountain, Mich.

W. C. Turnbull • Civil Engineering
733 Campbell Ave., Hamilton, Ohio

R. E. Vander Klipp • Civil Engineering
1529 North Ave., Grand Rapids, Mich.

R. C. Van DeWeghe • Mechanical Engineering
Route 1, Gladstone, Mich.





E. Viscarra • Mechanical Engineering
548 Genl. Zapata LaPaz, Bolivia

J. G. Vorhes • Mechanical Engineering
436 N. Johnson Ave., Pontiac, Mich.

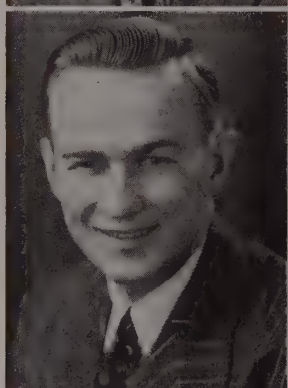
R. V. Waisanen • Chemistry
702 Lake St., Hancock, Mich.



D. L. Walker • Metallurgical Engineering
15381 Fairfield, Detroit 21, Mich.

R. K. Walters • Mechanical Engineering
121 Grand Ave., Mt. Clemens, Mich.

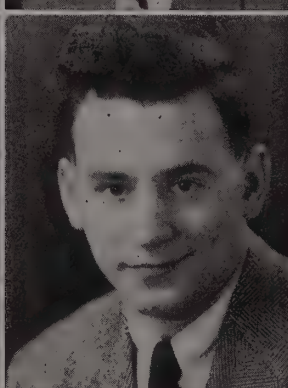
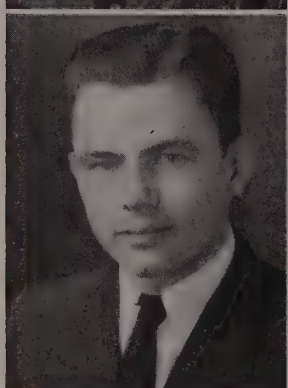
G. V. Walz • Mechanical Engineering
R. F. D. 2, Box 830, Battle Creek, Mich.



G. C. Wanhainen • Mechanical Engineering
55 First St., South Range, Mich.

R. M. Waters • Chemical Engineering
152 Cherryland Ave., Auburn Heights, Mich.

T. R. Webb • Mechanical Engineering
Crystal Falls, Mich.



F. J. Weber • Chemical Engineering
2018 Campbell St., Detroit 9, Mich.

L. Weinstein • Mechanical Engineering
406 First St., Flint, Mich.

D. W. West • Mechanical Engineering
311 Franklin St., Hancock, Mich.

A. N. Westerholm • Mechanical Engineering
Dollar Bay, Mich.

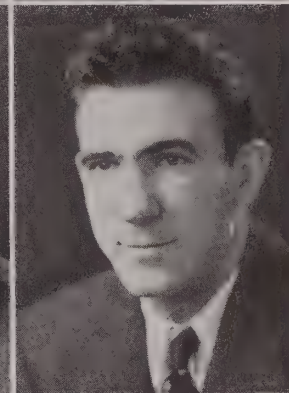
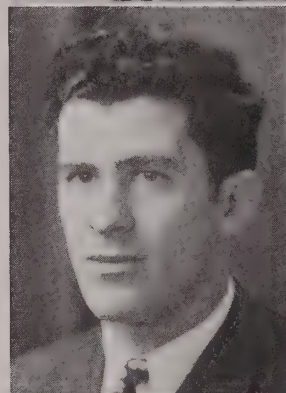


R. E. Willard • Metallurgical Engineering
Coldbrook Road, Wilmington, Vt.



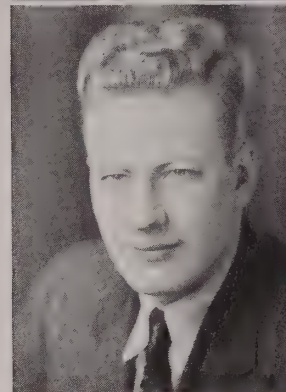
W. G. Wills • Civil Engineering
1101 Seventh Ave., Norway, Mich.

J. G. Wilson • Chemical Engineering
179 Calumet Ave., Calumet Mich.



W. M. Wisti • Civil Engineering
603 Baraga Ave., Houghton, Mich.

J. W. Wivell • Mining Engineering
Coleraine, Minn.



F. K. Wright • Mechanical Engineering
Box 454, Houghton, Mich.

O. H. Wright • Mining Engineering
R. F. D. No. 1, Bartow, Fla.

R. C. Wylie • Civil Engineering
420 Empire St., Benton Harbor, Mich.



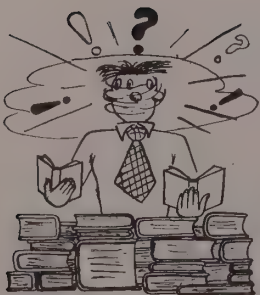
D. P. Young • Mechanical Engineering
216 East St., Houghton, Mich.



First row: L. M. Love, R. L. Pierce, H. J. Barber, E. W. Manderfield, R. Erixon, president; A. McKean, J. J. Bodzin, C. J. Staskiewicz, R. D. Watkins, R. S. Dejka. Second row: H. T. Stowitts, W. G. Ringler, A. E. Hamalainen, C. C. Rivard, T. Parenti, J. A. Klungness, G. V. Gianchini, R. E. Gilbert, J. A. Rengert, W. C. Schulte. Third row: H. Williams, M. J. Nee, E. V. See, P. R. Savageau, J. J. Lawrey, J. Blom, C. J. Robinson, J. L. Voyles, J. Gribble, I. Lillvis, T. Cahoon. Fourth row: J. E. Vrugink, G. D. Toung, W. J. Gabriel, G. L. Mitchell, W. O. Tschantz, E. O. Pajunen, G. H. Lempio, R. L. Kessler, G. D. Rehnquist, R. T. Darling, N. A. Frank, L. R. Marttila.

Sophomore Class

No college student, especially a sophomore, will question the fact that the sophomore year of an engineering course is by far the most difficult. For the second year student at Michigan Tech, Hubbell Hall takes on a sinister appearance and allows an absolute minimum of spare time. Also, it is during this second year that the greatest number of changes in courses occur.



But sophomores are a hardy lot. Year after year they plow their way through the fundamental engineering subjects, coming out with a sound background and a definite purpose in mind. Our sophomore class this year has done a fine job of maintaining a high scholastic average, and the spirit displayed at the Student Organization elections this Spring indicates an active Junior class is in the making.

First row: J. K. Russell, K. H. Kositzky, G. W. Braendle, E. Pratt, W. N. Kvintus, D. C. Ewing, G. E. Bergstrom, F. E. Tervo, J. E. Erickson, D. G. McCullough. **Second row:** J. J. Cleary, R. E. Scott, R. P. Clancy, E. R. Weber, H. W. Koopman, E. D. Hollingsworth, A. M. Paradiso, J. C. Kelchner, F. A. Reed, J. T. Thompson. **Third row:** W. F. Nekervis, W. E. Cary, P. F. O'Neill, W. J. Shepeck, P. F. Johnson, W. L. Veaser, J. C. Haro, R. R. Roberts, E. H. Oliveira, O. C. Lacombe, F. Montague. **Fourth row:** F. Coon, B. M. Ludowise, J. M. Ferrell, W. A. Miller, J. L. Peterson, J. W. Wright, D. E. Wick, E. P. Brady, L. Fry, R. L. Woods, D. L. Corbin.





First row: J. H. Bahti, D. G. Eagling, E. R. Dreydahl, J. H. Cleary, vice-president; C. Ceedar, president; P. M. Lucas, R. T. Macaul, A. W. Richardson, K. W. Nickel, F. K. Glasbrenner. Second row: S. W. Kuchta, K. R. Marsh, W. H. Edwards, C. G. Jennings, G. Q. Blanton, R. J. Hibbeln, J. E. Barron, J. McKenna, J. A. Chamberlain, N. W. Kunz, F. Gieseking, G. Brown. Third row: M. R. Wolfson, J. H. Harris, S. J. Patyk, E. J. Faber, R. W. Champion, E. A. Bohjanen, D. L. Fredrickson, R. D. Powers, G. J. Sloan, T. Armbruster, Keith Renish. Fourth row: D. T. MacRae, C. A. Phalen, J. C. Holland, M. J. Dunn, A. J. Dykema, A. E. Erickson, R. E. Curtis, S. D. Burchenal, S. Rideout, H. J. Spencer, R. F. Moyer.

Junior Class

This year saw the beginning of what promises to be a gala annual event. President Charles Ceedar decided it was about time the Junior Class sponsored a dance, so he called his crew together, and a month later the doors of Dee Stadium were thrown open for one of the most outstanding dances ever held at Tech. It was called the "Junior Prom" and there is no doubt that repeat performances are in order. Unfortunately the Junior Class treasury was empty this year, so everybody had to buy their ticket, but one more successful dance will permit the Juniors to give the dance in honor of the graduating seniors.

The Junior Prom may prove to be the nucleus of an annual "Michigan Tech Spring Open House," given in conjunction with the Engineering Show which, as you remember, was very successful. Congratulations to the Junior Class for starting the ball rolling toward bigger and better Spring parties.



HERBERT GEORGE LINN, JR.

MAY 17, 1925 — MAY 24, 1947



First row: C. E. Cox, K. L. Pekarek, R. J. Leow, J. Des Rosiers, M. Anderson, J. M. Deli, C. R. Huber, F. Klimowski. **Second row:** R. J. Berg, A. J. De Ridder, D. J. Smith, E. H. Hamalainen, J. F. Dimet, J. B. Goodman, L. J. Luder, T. Hruby, J. L. Freeman. **Third row:** D. A. Johnson, J. A. Simi, R. B. Chappell, K. E. Illig, H. W. Noponen, A. Kazmierczak, A. Lewandowski, M. Marin, B. C. Prisk, P. D. Shandley.

Freshman Class

There is nothing quite so confusing as being a college freshman. The general feeling of both academic and social insecurity which accompanies the first year in college is often a bitter pill to swallow, but the frosh who conquers this handicap winds up being a much bigger personality the following June.

Several years ago at Tech much of the confusion was removed from the lives of the freshman by a group of active seniors who believed that the frosh were very lowly creatures and required strict regimentation. Wearing little green caps, carrying a Freshman Bible, and catering to the whims of the upper classmen were accepted rules of conduct on our campus at the time, but the coming of the veteran has changed all that. Whether the change will be for better or for worse when the veterans are gone is difficult to say; perhaps the seniors will see a need for organization again and take matters into their own hands. At any rate, the 1946-47 freshman class had a fine record with no help from anybody!



When we think of

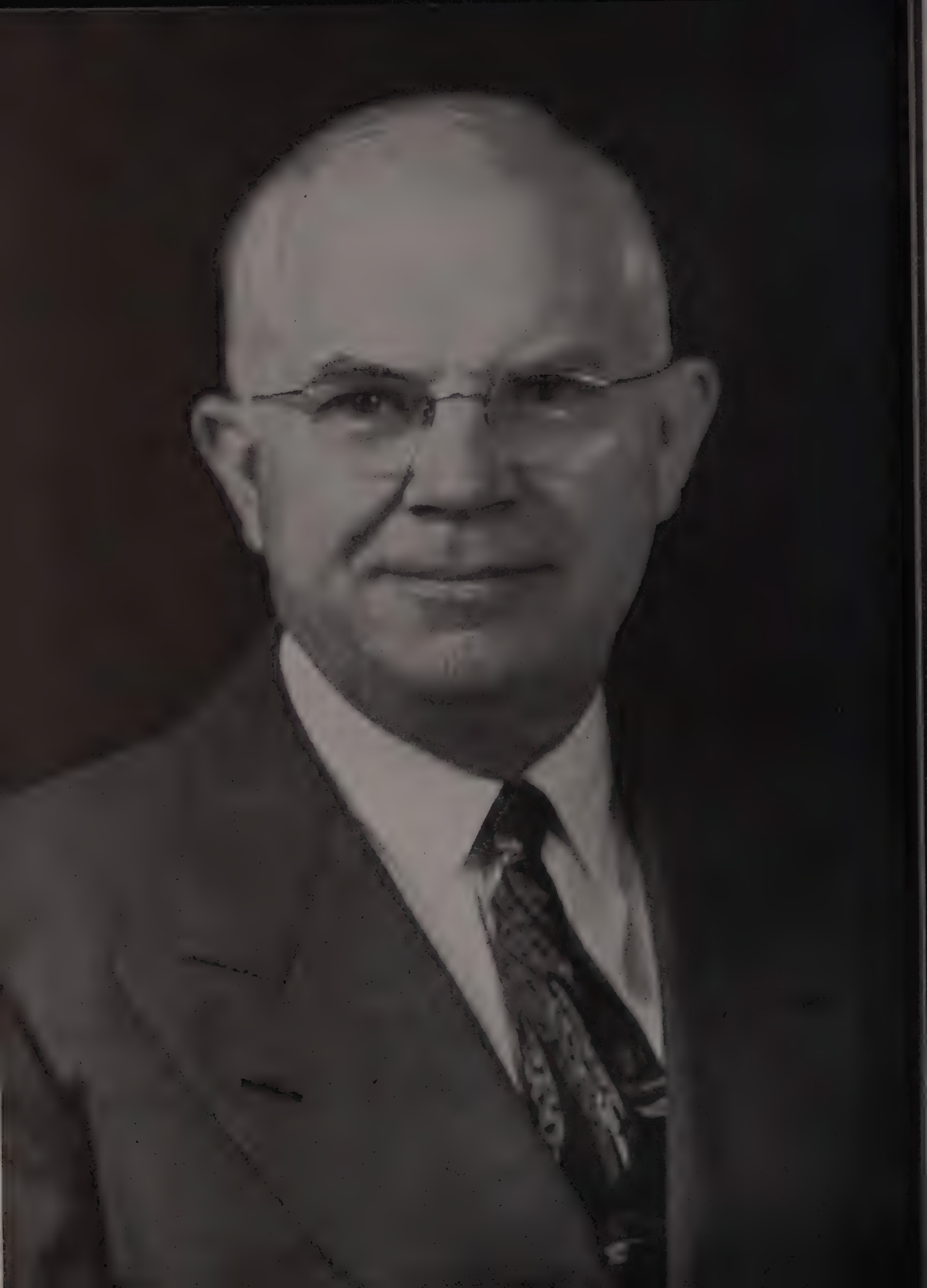
Faculty

we think of

Professor R. R. Seeber

Although some members of the teaching profession claim that they are not particularly concerned with the students' opinion of them as a person, it is doubtful that in their hearts they really believe it. They must be envious of the professor who has the admiration and the respect of his students for his qualities both as an instructor and as a friend. Who on our campus could measure up to such a description more admirably than Rex Seeber? As a teacher, he never subordinates a class, but commands respect by a thorough practical knowledge of the subject and a rare ability to transmit it simply and clearly to his students. His office door is always open, and the problems of his students invariably take precedence. No one has ever completed a course from Rex Seeber without benefiting from both his instruction and his personality.





MICHIGAN COLLEGE OF MINING AND TECHNOLOGY

OFFICE OF THE PRESIDENT

HOUGHTON, MICHIGAN

GROVER C. DILLMAN

To the Students, Faculty, and
Alumni of the College:

The publication of the 1947 Keweenawan marks the completion of Michigan Tech's first year of operation under the full impact of post-war educational demands.

It has been a busy year -- a year in which facilities have been overtaxed, a year in which the closest cooperation between students and staff has been necessary, a year in which unprecedented problems demanded unprecedented solutions.

The college has fully realized its obligations to the returning veterans, and it has worked hard to meet those obligations. The college has also recognized its obligation to the future of America, and it has exercised every effort to maintain standards at a high level.

Inevitably, there has been some confusion; there have been some mistakes. But on the whole, the year has been a successful one. And certainly not the least of the factors which contributed to the year's success have been the spirit of cooperation and maturity of attitude demonstrated by the student body.

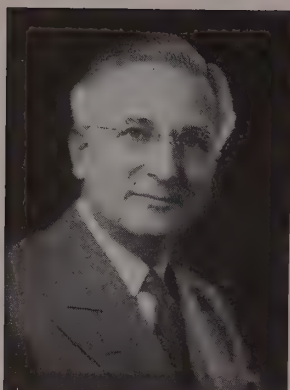
The prospects for the future are bright, and as we have reason for pride in the academic year just completed, so we hope to have reason for pride in the achievements of the years to come.

Sincerely,

A handwritten signature in dark ink, appearing to read "Grover C. Dillman". The signature is fluid and cursive, with a long horizontal stroke at the end.

President

Board of Control



Willard H. Dow

B.S. in C.E., University of Michigan, 1919; President of Dow Chemical Company; Honorary, Doctor of Science, Michigan College of Mining and Technology, 1939; Honorary, Doctor of Engineering, University of Michigan, 1941; Honorary, Doctor of Engineering, Illinois Institute of Technology, 1944.



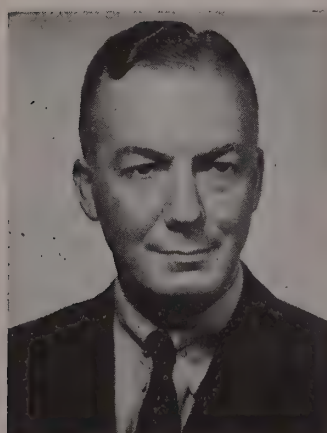
F. J. Smith

B.S. and E.M., Michigan College of Mines, 1906; General Superintendent of Menominee Range for Oglebay, Norton Mining Company, Ramsay, Michigan; Member, American Institute of Mining and Metallurgical Engineers; Member, Lake Superior Mining Institute.



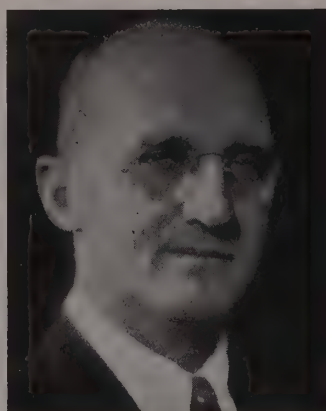
Charles J. Stakel

E.M., Michigan College of Mines, 1905. Manager, Mining Department, Cleveland-Cliffs Iron Company. Member, American Institute of Mining and Metallurgical Engineers, Lake Superior Mining Institute.



Endicott R. Lovell

B.S. and E.M., Michigan College of Mining and Technology, 1922; President, Calumet and Hecla Consolidated Copper Company; Member, American Institute of Mining and Metallurgical Engineers, Mining and Metallurgical Society of America.



P. M. Thornton

President and General Manager, Thornton Construction Company, Hancock, Michigan; Member, Board of Directors, Michigan Road Builders Association; Chairman, Houghton County Defense Council.



J. T. Healy

General Insurance and Real Estate, Houghton, Michigan; Member of County, State and National Insurance Organizations; Member, National Board of Arbitrators; Senior Member, Society of Residential Appraisers.

Administration



Leo F. Duggan
Registrar



Nicholas F. Kaiser
Treasurer and
Business Manager



B. B. Bennett
Director of Public Relations



F. L. Partlo
Dean and Professor of Physics



Miss E. B. Fournier
Secretary to the Registrar



Mrs. N. F. Kaiser
Assistant Treasurer



Miss Ruth Johnson
Assistant Registrar



Miss Lucille Jeffery
Secretary to the President

Department Heads



H. L. Coles
Chemical Engineering and Chemistry



W. C. Polkinghorne
Civil Engineering



G. W. Swenson
Electrical Engineering



E. J. Townsend
Engineering Administration

Department Heads



U. J. Noblet
Forestry



A. K. Snelgrove
Geological Engineering



E. L. Wood
History and Geography



B. B. Bennett
Language

Department Heads



J. M. Harrington
Mathematics



R. R. Seeber
Mechanical Engineering



C. T. Eddy
Metallurgical Engineering



N. H. Manderfield
Mineral Dressing

Department Heads



J. M. Riddell
Mining Engineering



B. F. Schubert
Music



A. J. Bovard
Physical Education



J. H. Service
Physics

Faculty



B. Park
Chemistry



R. F. Makens
Chemistry



G. M. Machwart
Chemical Engineering



R. E. Menzel
Chemistry



M. W. Bredekamp
Chemical Engineering



F. F. Mikus
Chemistry



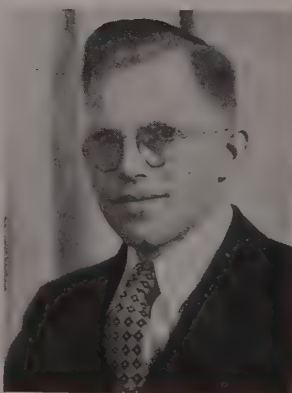
T. R. Maki
Chemistry



E. P. Wiedenhofer
Civil



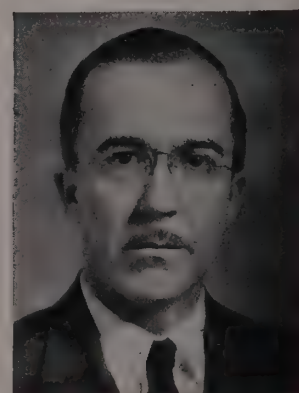
T. R. Coon
Civil



G. J. Caspary
Civil

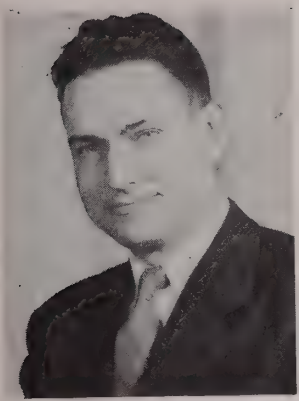


C. Russell, Jr.
Electrical



V. O. York
Electrical

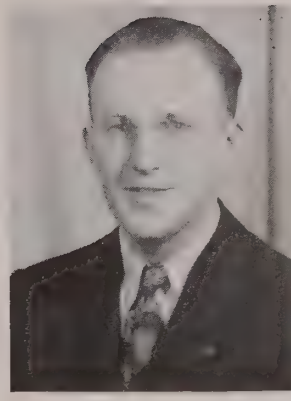
Faculty



E. M. Barr
Electrical



C. S. Schjonberg
Electrical



W. T. Anderson
Electrical



Margaret S. Price
Engineering Administration



H. Garland
Forestry



R. B. Miller
Forestry



V. W. Johnson
Forestry



E. A. Bourdo
Forestry



W. A. Seaman
Geological



V. L. Ayres
Geological



A. N. MacIntosh
Geological



R. M. Denning
Geological

Faculty



R. A. Good
History and Geography



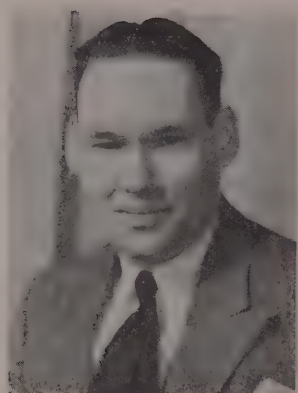
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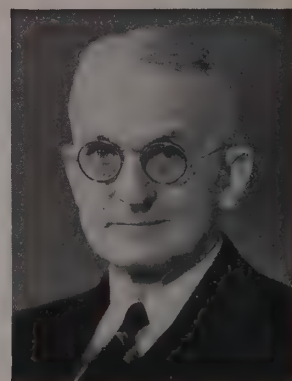
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C. W. LaDuke
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Earl Roberts
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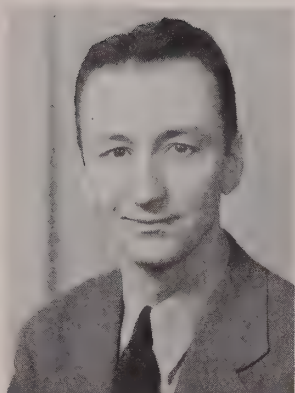


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Mathematics

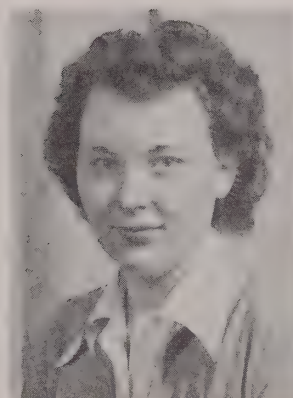
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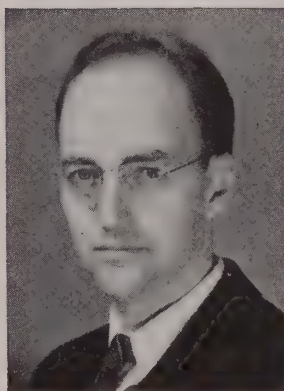
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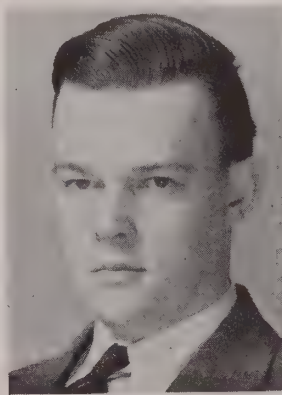
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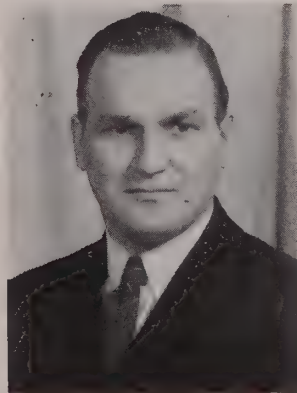
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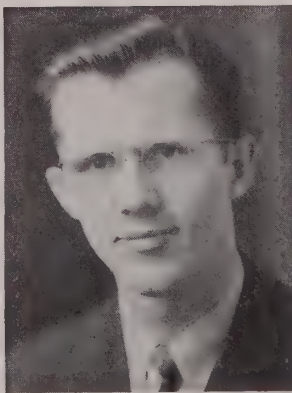
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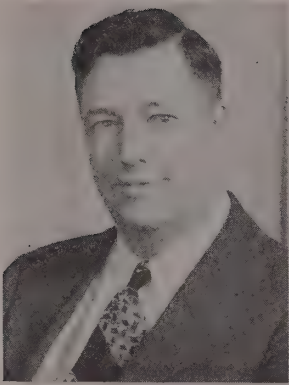


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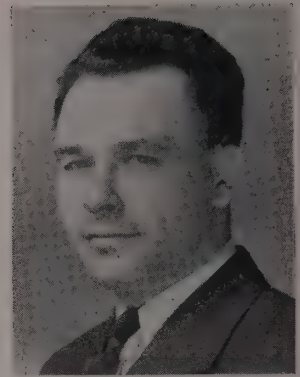
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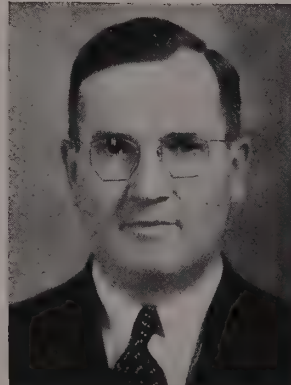
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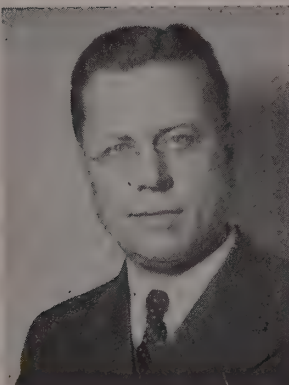
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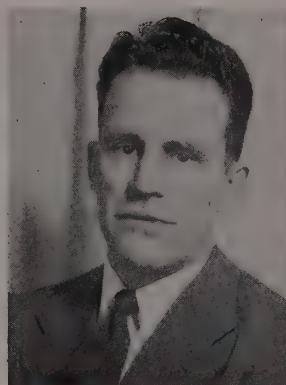
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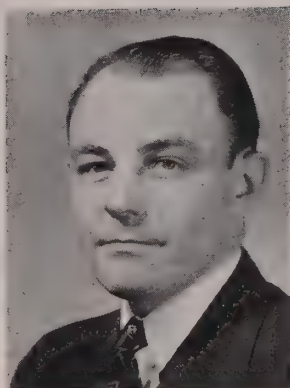


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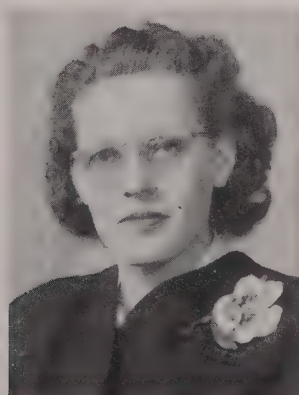
M. Gibson
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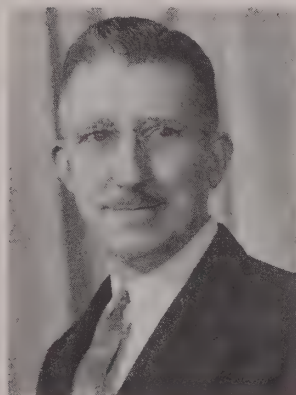
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Anne H. Boswell
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R. C. Kaminska
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Military Department



Lt. Col. W. S. Shoemaker
P.M.S. and T.



Row row, left to right: 1st Sgt. Harold R. Schlink, M/Sgt. Ralph H. Smith, T/Sgt. Robert G. Fike, S/Sgt. Ralph R. Urban, S/Sgt. William E. Pyne. Seated: Capt. Frank W. Hannum Jr., Maj. Lykes S. Henderson, Aileen Brooks, Lt. Col. Wm. S. Shoemaker, Maj. Thomas L. Thacker, Capt. Robert J. Barlock.

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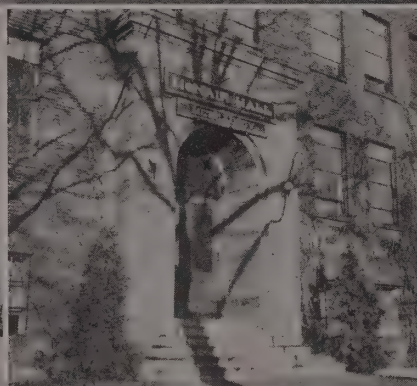
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VETERAN'S HOUSING

By "Terry"



I'm new around here, but I have seen our town grow quite a bit. At first there was just Upper and Lower Woodmar, but now our town includes Jacob's Square, Engineer's Field, and the Gas House Gang.

We have swell people in our town, and I have dozens of little playmates. I don't want to forget to mention what a good ball team we have—nearly everyone goes out to watch them play, and it's lots of fun.

Right now everyone is planting grass and flowers and fixing up their places, and we have play pens now with swings, teeter totters, and sand boxes. Gee what a pretty place this will be!

Daddy is getting ready to do the laundry, and he's taking his books with him. I hope he doesn't mix up the clothes again, because my nice white dress is pink now, and I don't want it to change color again. Poor Daddy—the only dog house he gets into any more is the one right here at home, at least that's what he says.



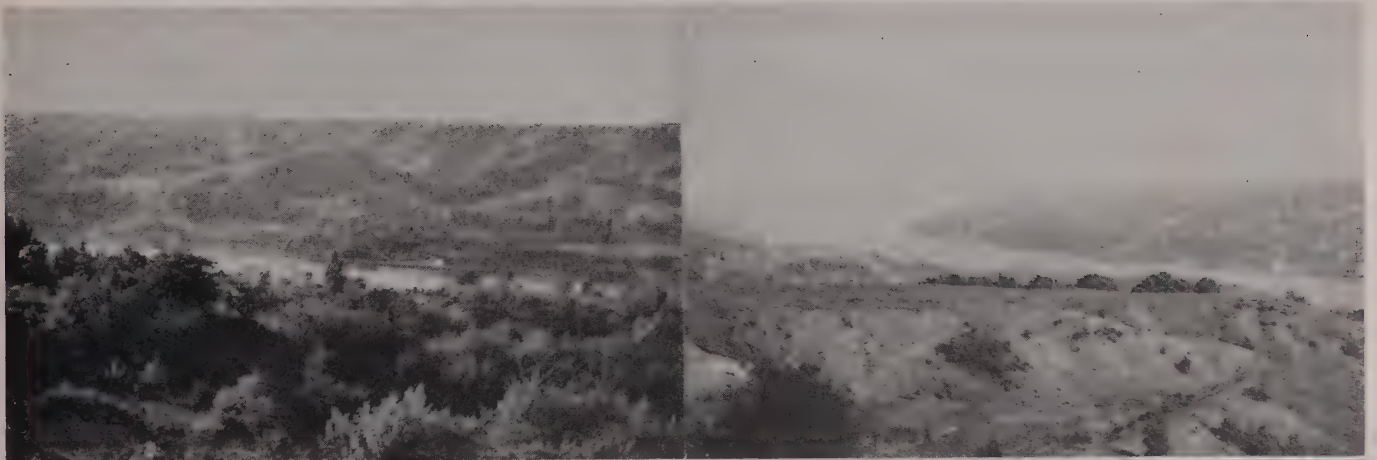




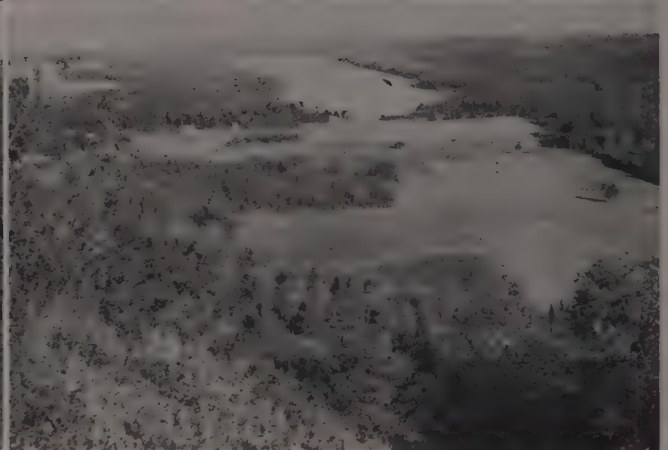
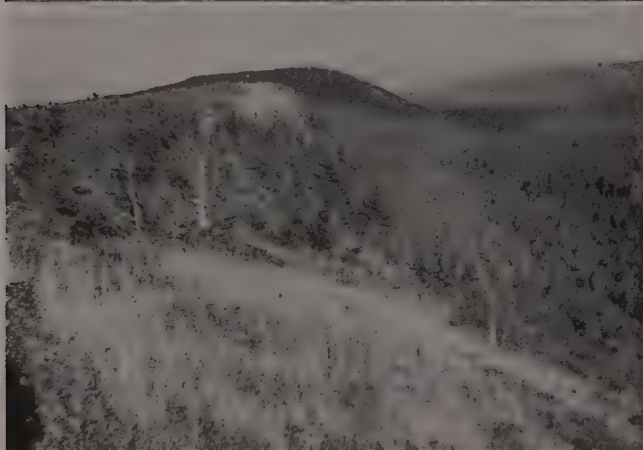
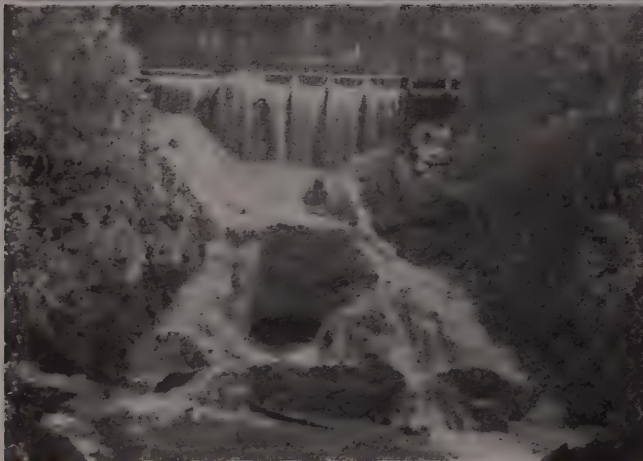
Surveying



Surveying

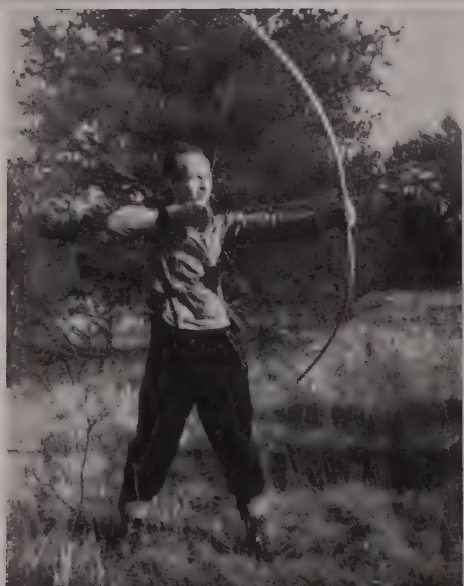


Keweenaw



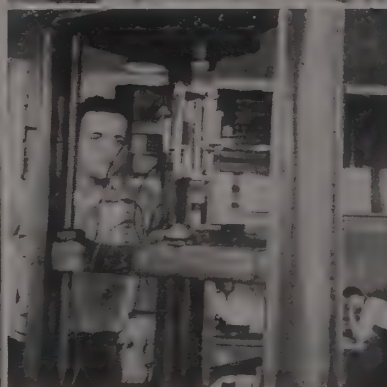
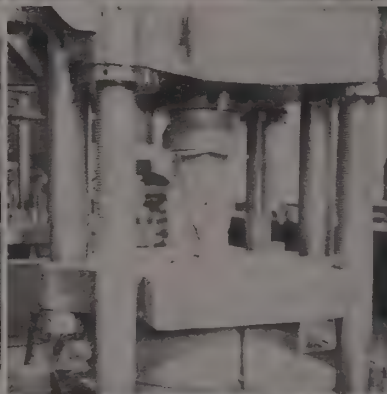
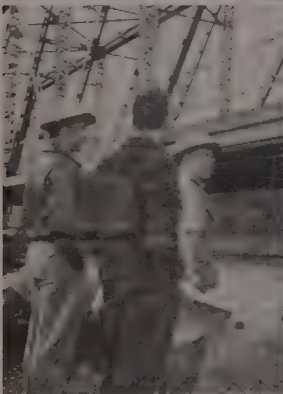
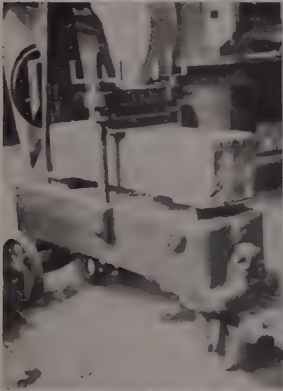


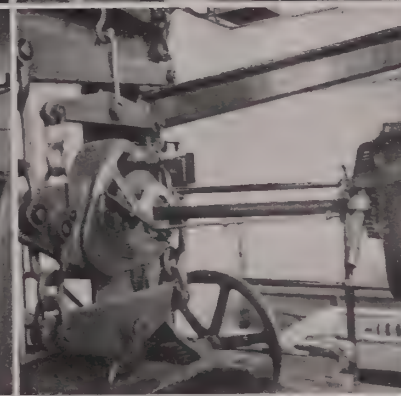
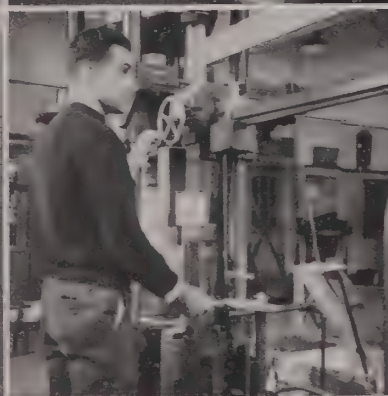
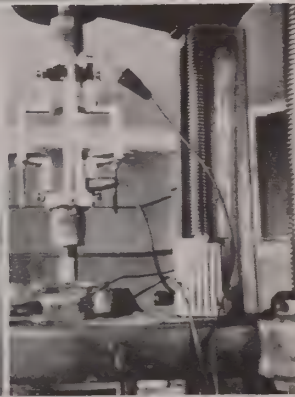
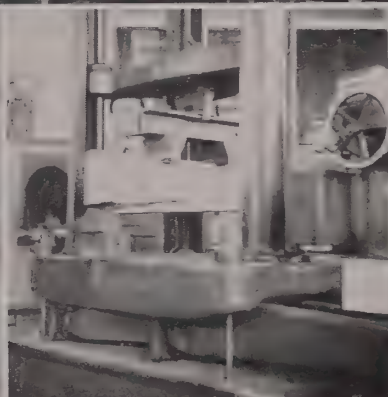
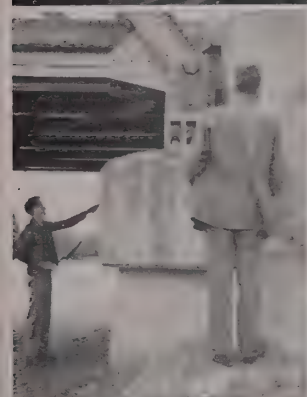
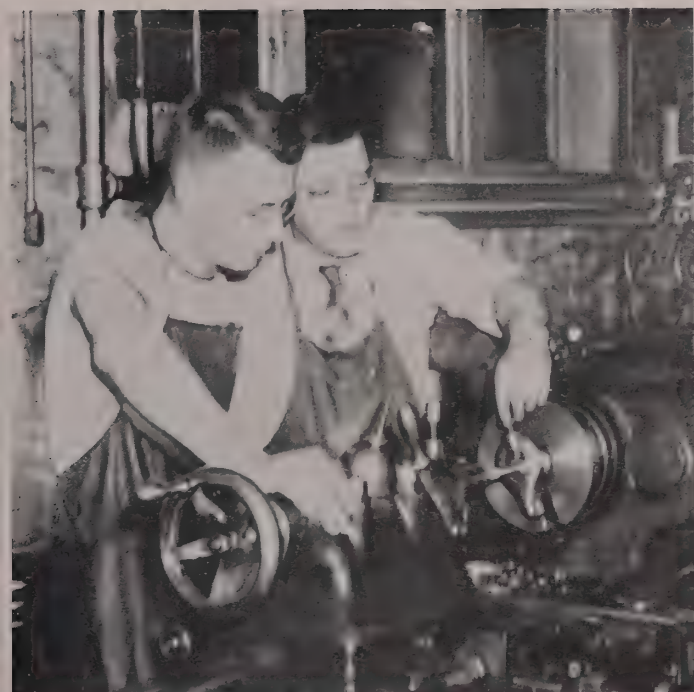
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MADISON, WISCONSIN

Hockey Team

(Continued from Page 34)

With only one week of practice before the opening game, the Huskies faced a major test. Competition consisted of former rivals—the University of Michigan, University of Minnesota, Eagle River, Calumet-Laurium, and Marquette. The addition of the University of Manitoba and Colorado College to the season's schedule marked the first time in recent years that the Huskies engaged in competition other than in the Middle West.

Three forward lines sparked by leading scorers Petaja, Olsen and Ruhl and an experienced defense provided aggressive hockey throughout the season. After an impressive start, the sextet wavered as the season progressed. Superior conditioning of opposing teams coupled with the Huskies fatal last minute jinx which turned the tide in five games proved to be deciding factors during the mid-season. Refusing to let up, the determined Huskies again hit their stride as the season closed, splitting a two-game series with their arch-rivals, the University of Michigan.

The season's record of 6 wins and 13 losses does not appear impressive on a percentage basis. Total statistics are more gratifying and an index of a creditable brand of hockey. The Huskies consistently out-shot their opponents as shown by the season's totals of 653 stops for opponent's goalies against 502 for the Huskies. The summary of total goals, 99 for opposing teams vs. 91 for Tech, combined with an average of only two penalties per game attests to a season of fast, clean hockey.

Next season will mark the birth of the new Mid-Western Inter-Collegiate Hockey Association. With the Huskies already on the ground floor of the league, strong competition is assured. Four men, Dorffi, Kestner, Gregorich, and Wanhainen, veterans of several seasons, will bow out because of graduation. With 11 returning lettermen and a number of capable substitutes who saw action this year, the prospects for the '48 season are very encouraging.

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